

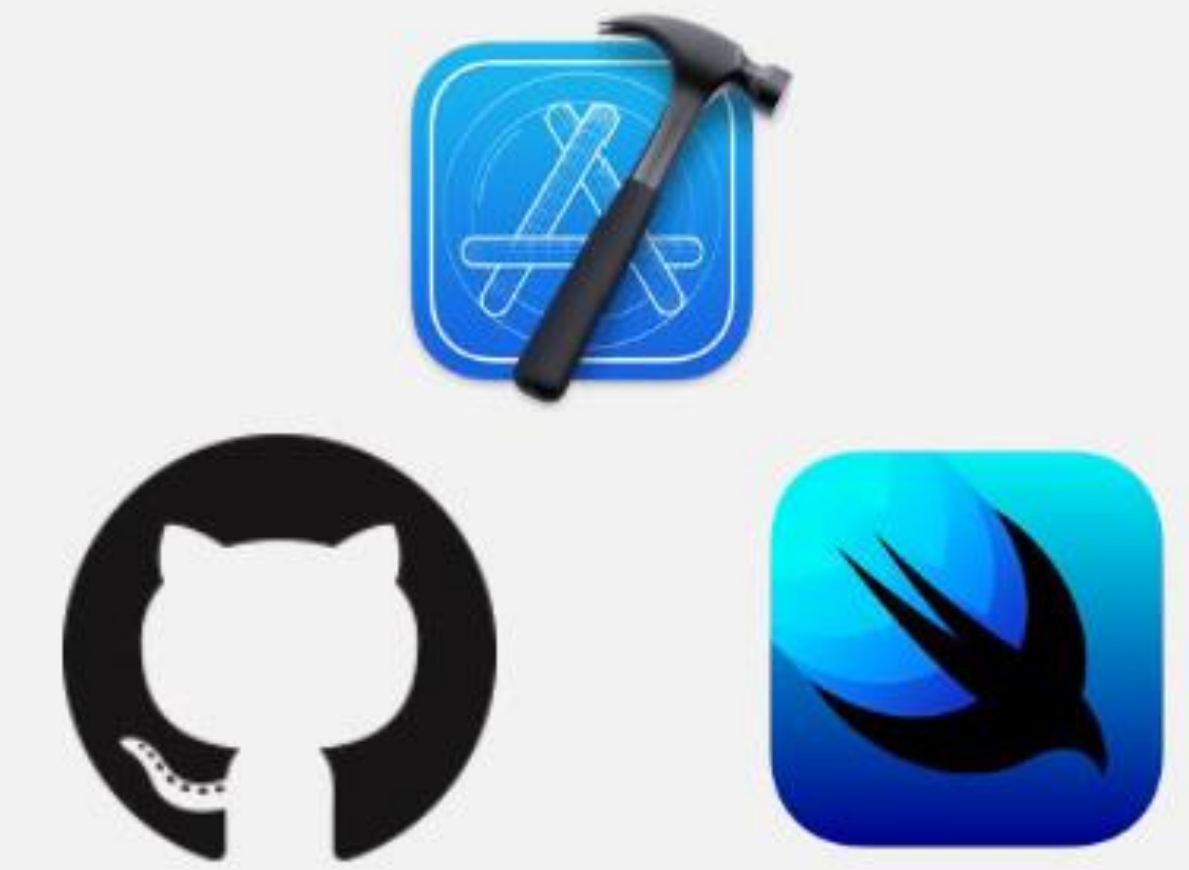
Knight Foundation School of Computing & Information Sciences

Spring 2023 Senior Design Project Apple Watch Weight App

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



PROBLEM

The Apple Watch Weight system is comprised of two applications (iOS and watchOS). Since this is the second version, multiple improvements were needed. On the iOS side, better navigation and more features needed to be added.

CURRENT SYSTEM

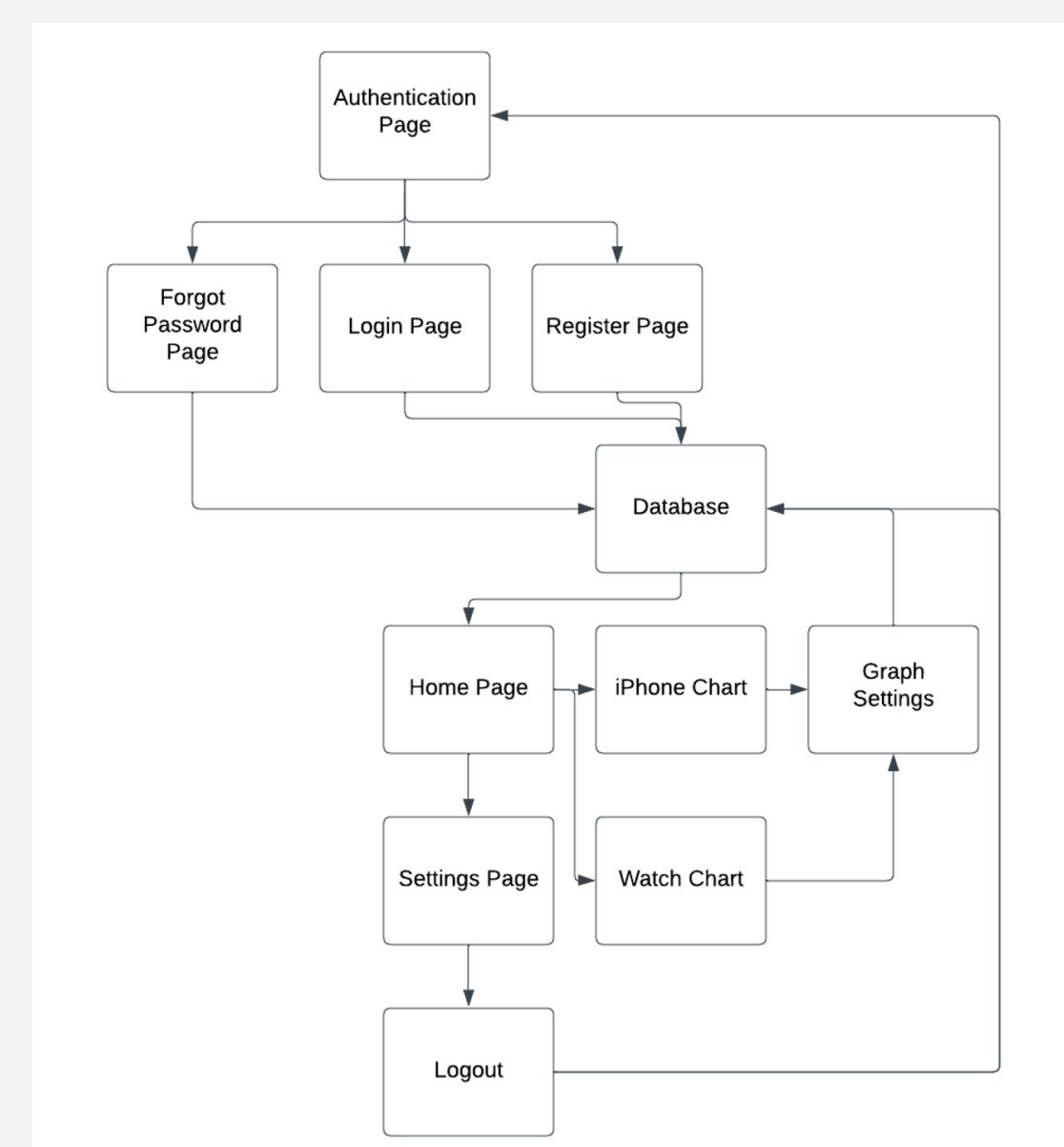
- The current system displays hardcoded weight data in the graph view and history view.
- iOS app uses bar tab navigation to easily access different views.
- History tab was added to let the user see previously recorded weight data from most recent to oldest.

REQUIREMENTS

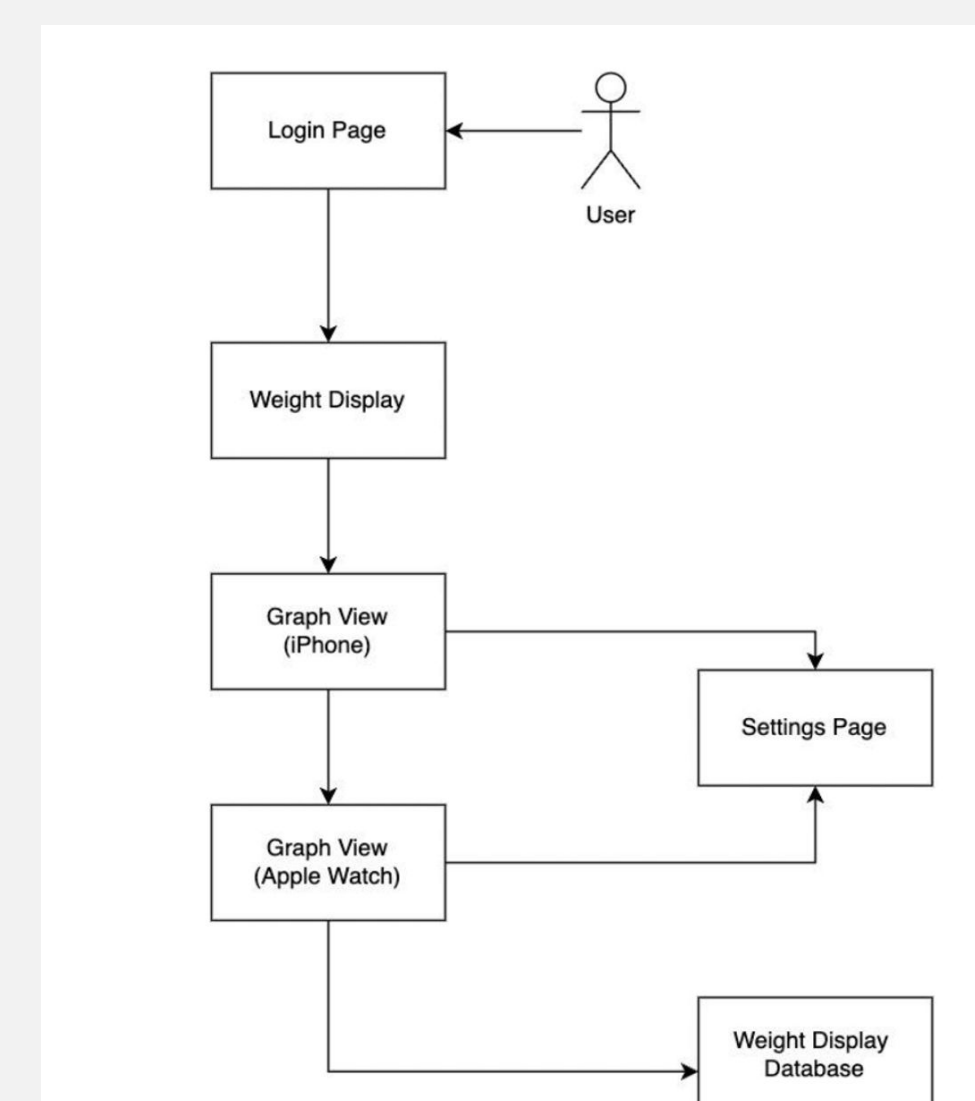
For installation/development:

- Apple Mac computer
- Latest version of Xcode
- Latest version of MacOS
- GitHub and/or source code

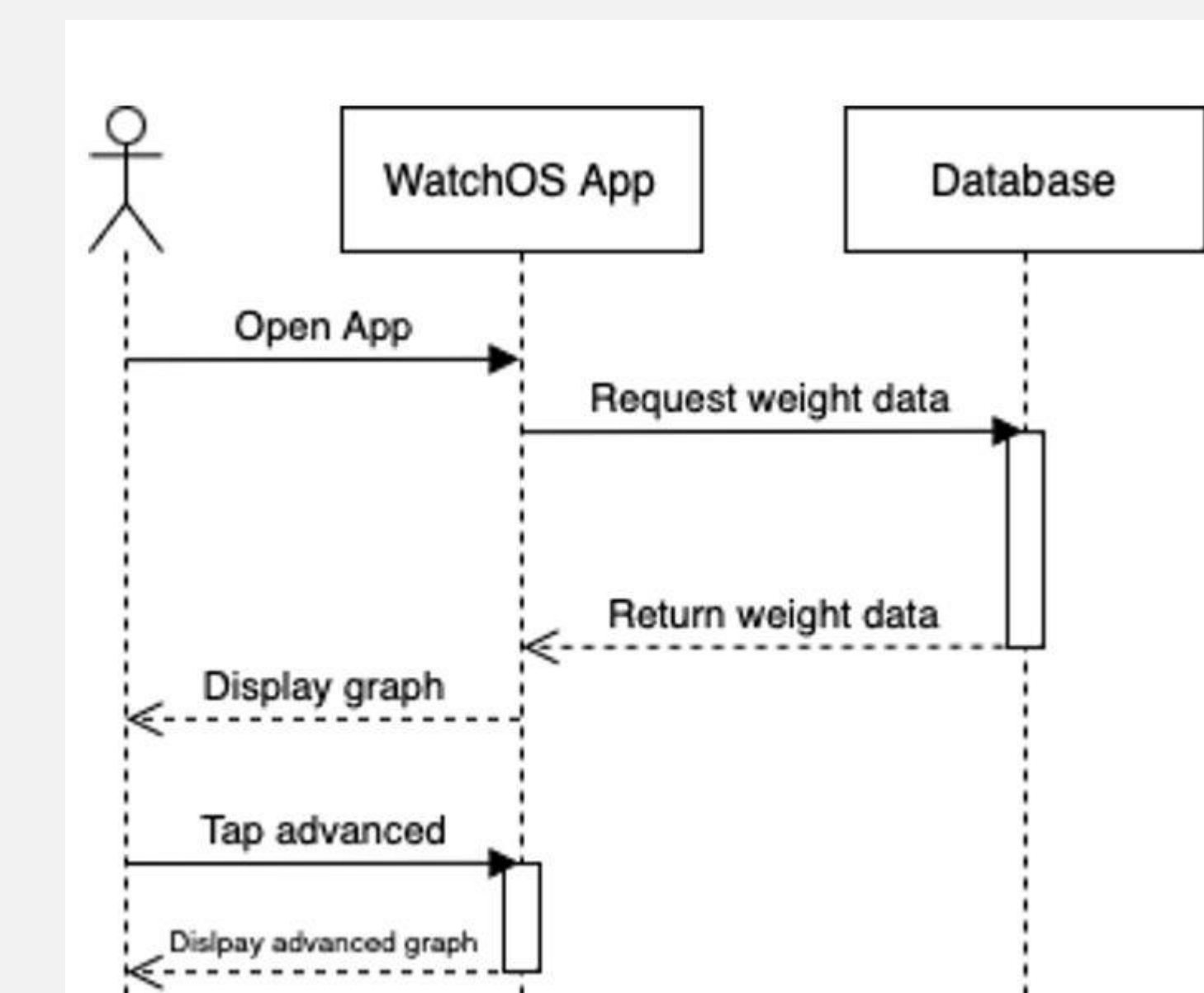
SYSTEM DESIGN



OBJECT DESIGN



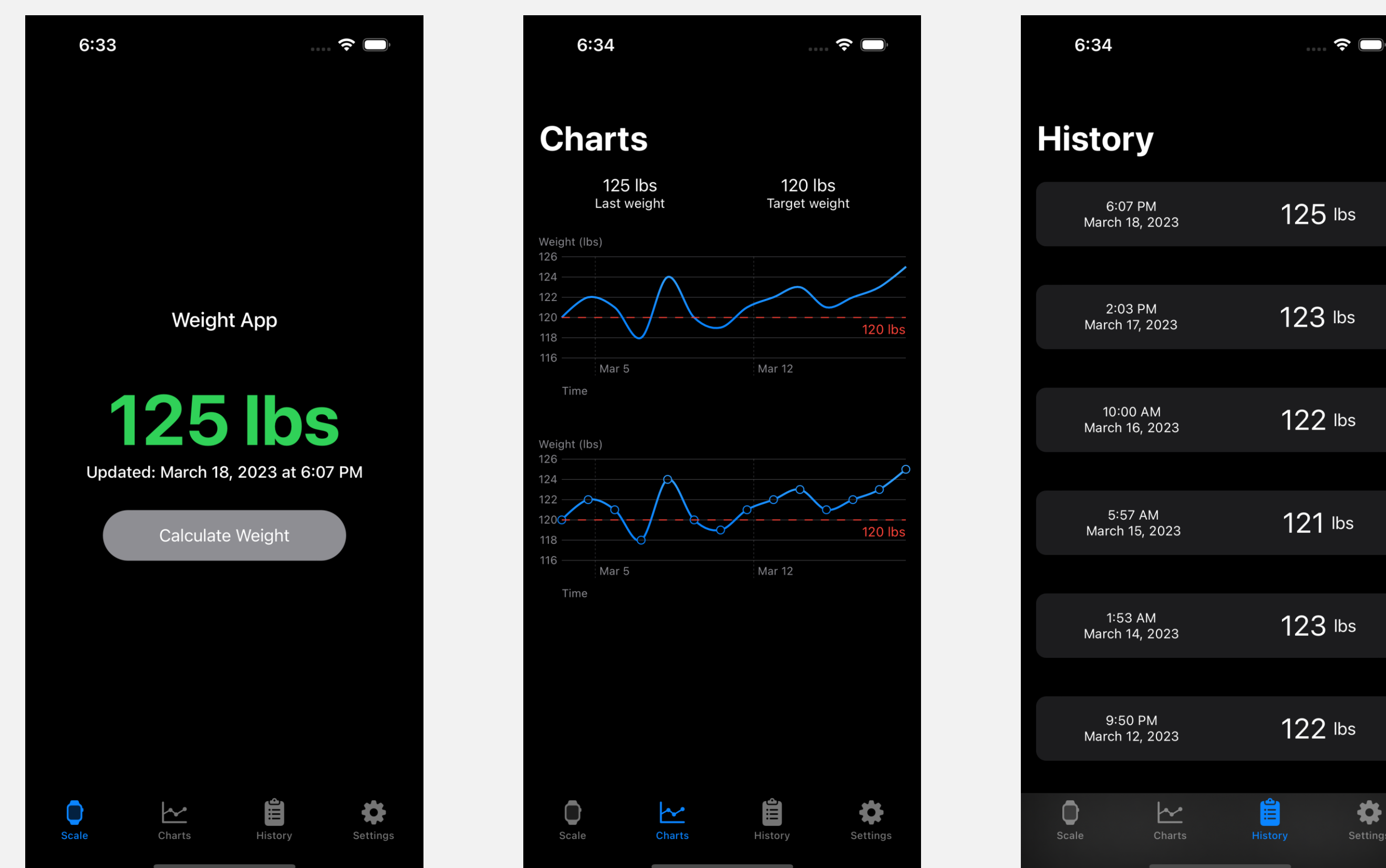
IMPLEMENTATION



VERIFICATION

System Test Case #05	
System Test Case: History View	
User Story: iOS UI/UX improvements	
Purpose: To display previous weight data by date	
Pre-Conditions:	A user must be in the History tab
Expected Results:	Previously recorded weight data must be shown. It must include weight, time taken and date. It must also be sorted from most recent to oldest.
Actual Results:	When the history tab is selected, the user can see their recorded weight data history from newest to oldest and scroll if necessary.
Status:	Pass

SCREENSHOTS



SUMMARY

- The iOS app now uses bar tab navigation for better access to views.
- The addition of a history view gives a user access to weight data to better understand weight changes.
- Improved UI to keep harmony across data views.

ACKNOWLEDGEMENT

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