

Knight Foundation School of Computing and Information Sciences

Fall 2022 Senior Design Project

Apple Watch Weight Display

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PROBLEM

Starting the project with no prior codebase:

- Setting up Xcode project
- Setting up Github repository/README
- Researching Azure integration

Building a user identification system:

- Implementing login system

CURRENT SYSTEM

A user login system has been implemented, which will allow people to store and access their health information.

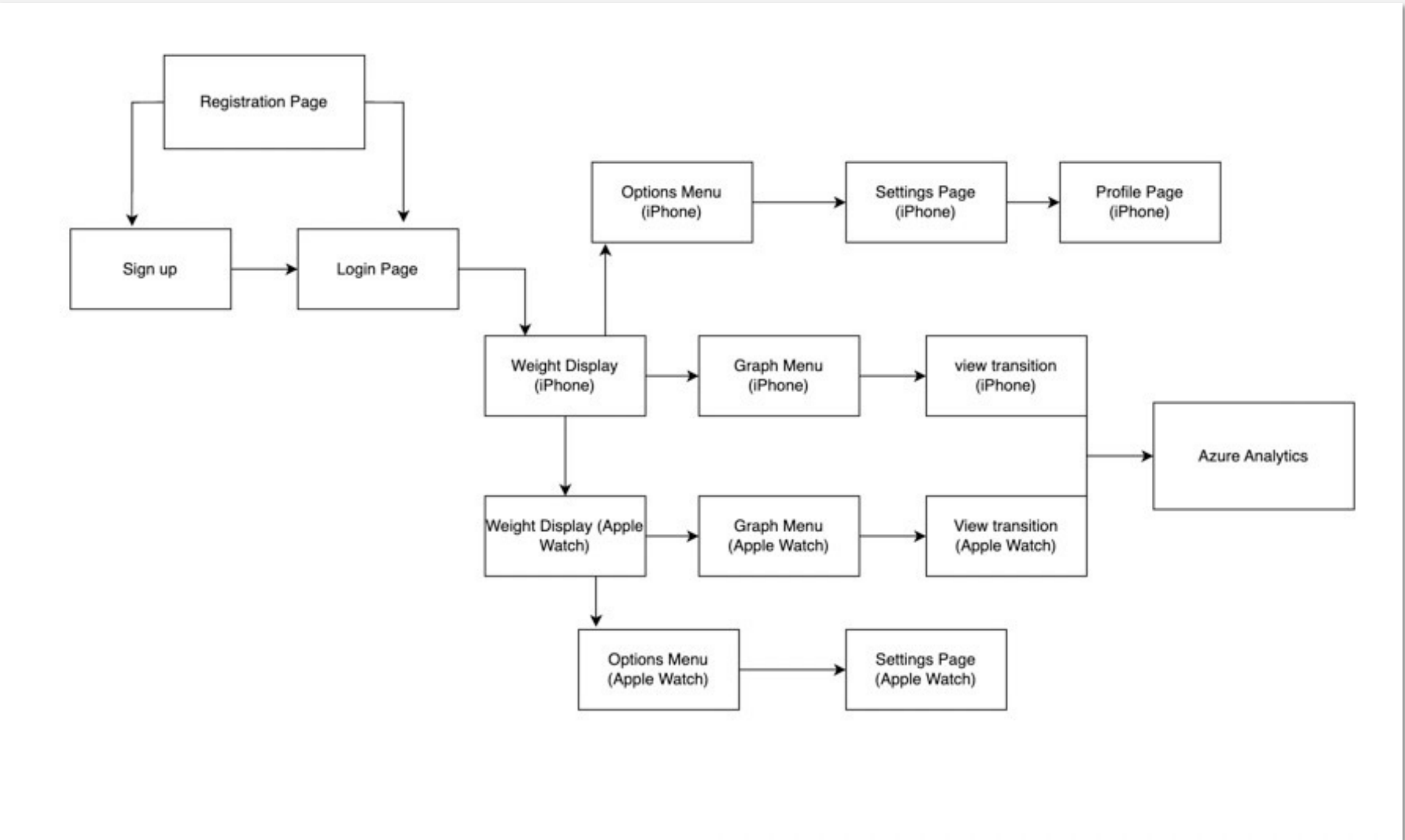
The current system does not use the device to calculate the user's weight; rather, it uses hard coded data.

REQUIREMENTS

For installation/development:

- Mac computer
- Latest version of MacOS
- Latest version of Xcode
- Github account **or** source code

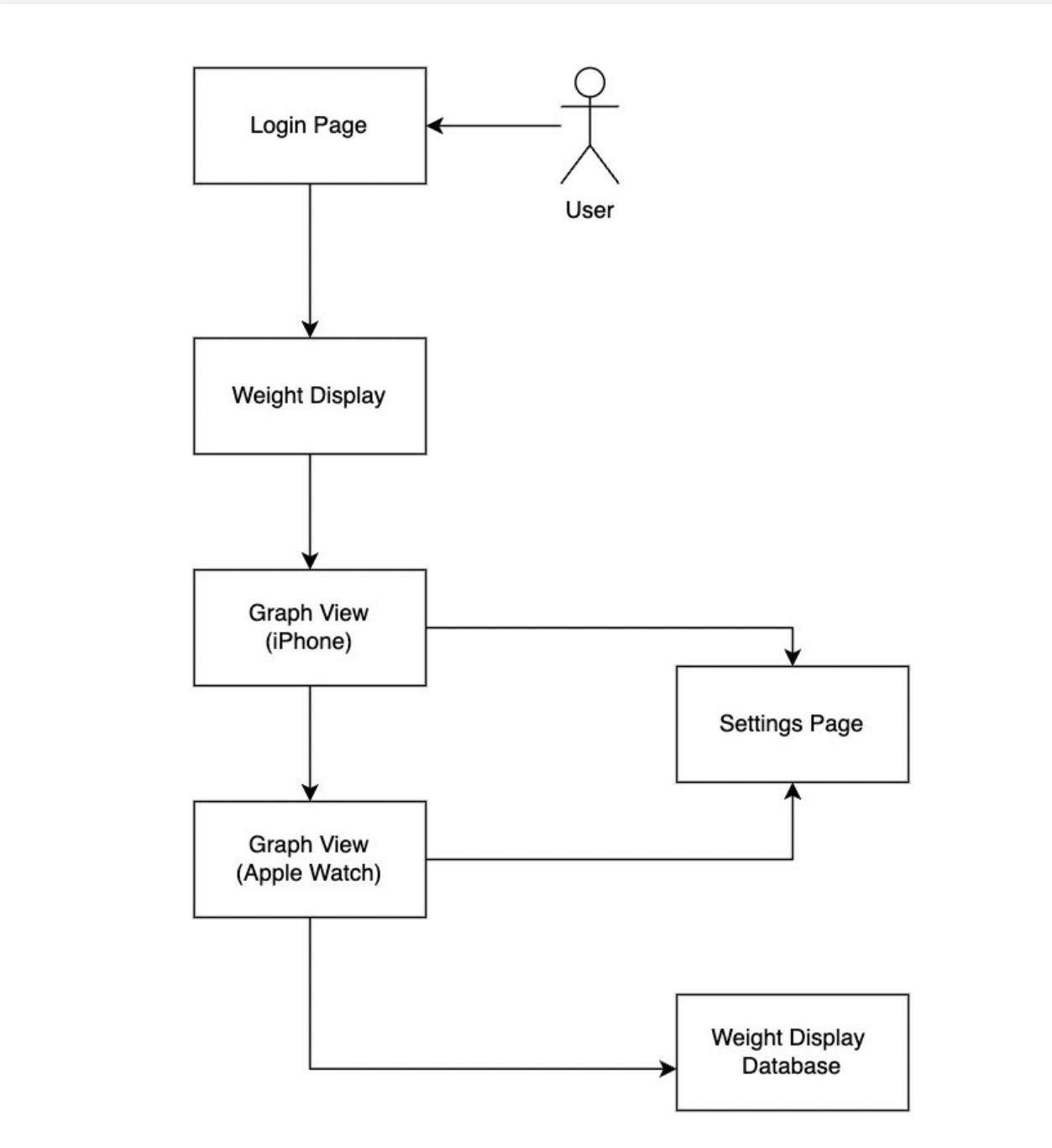
SYSTEM DESIGN



IMPLEMENTATION



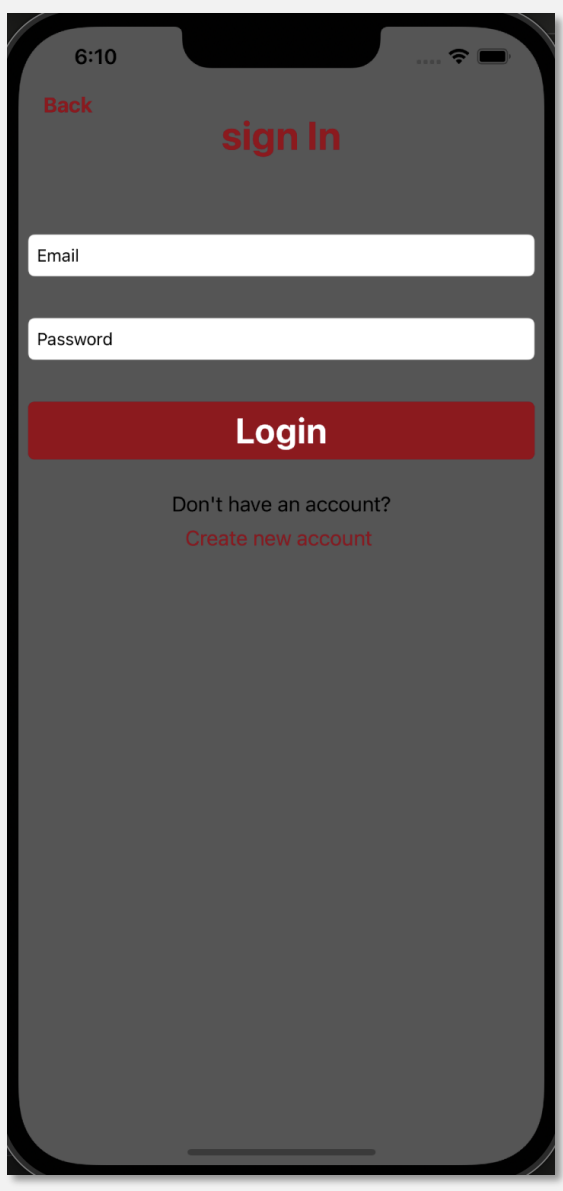
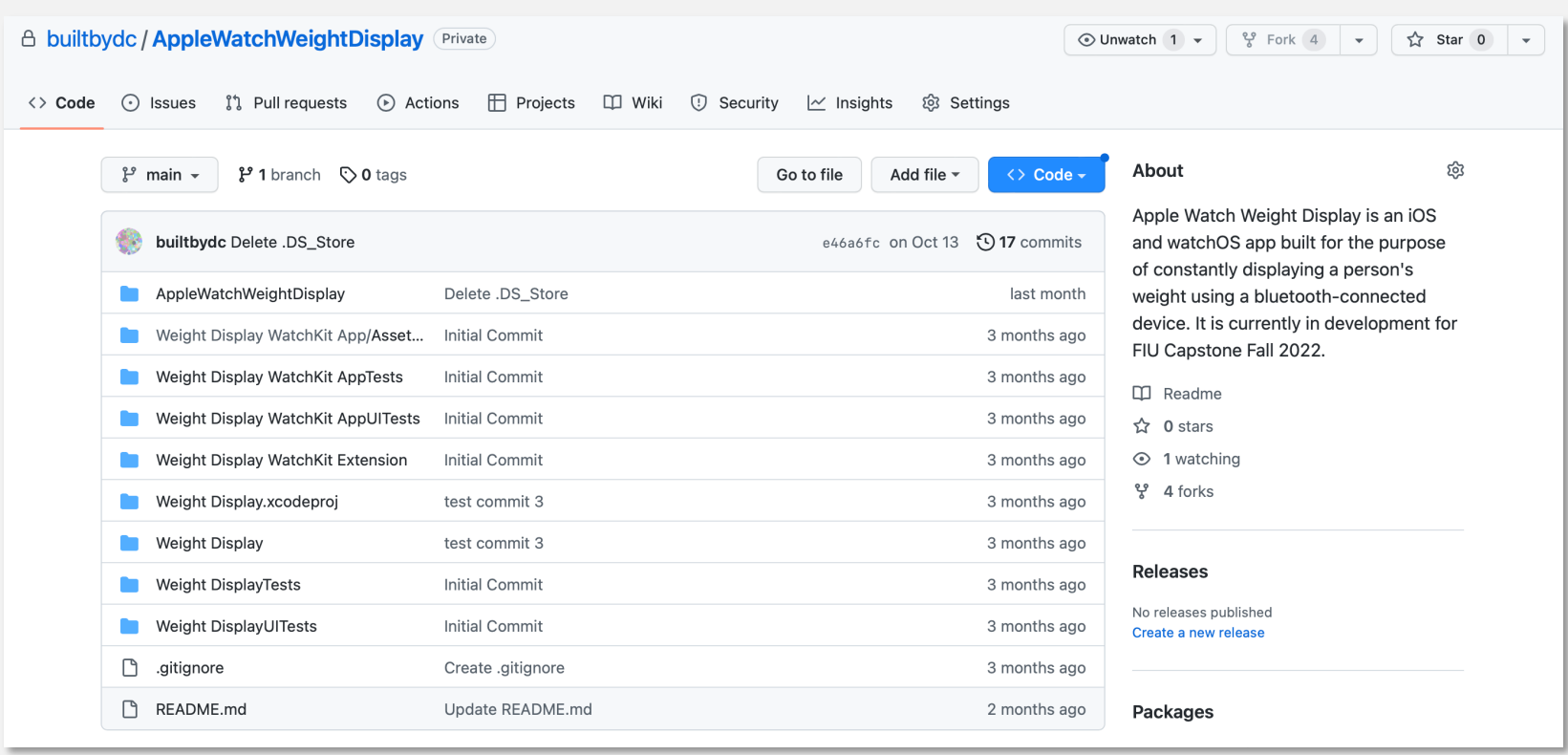
OBJECT DESIGN



VERIFICATION

System Test Case #01	
System Test Case : User_Identification	
User Story: Implementing "Login"	
Purpose: Making the program more interactive.	
Pre-Conditions:	A user must be active to move to another page.
Expected Results:	When a button is clicked, it must check if the user is logged in, if not the user must login or create an account.
Actual Results:	When a button is clicked, the system checks for a logged user. if no user is logged, an option to login or create an account is displayed.
Status:	Pass

SCREENSHOTS



SUMMARY

Our team has completed a lot of work, and future teams have different designs and directions that they can take this project in.

Future work on this project will be easy to complete, as the documentation (installation guide) is thorough and easy to follow.

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.