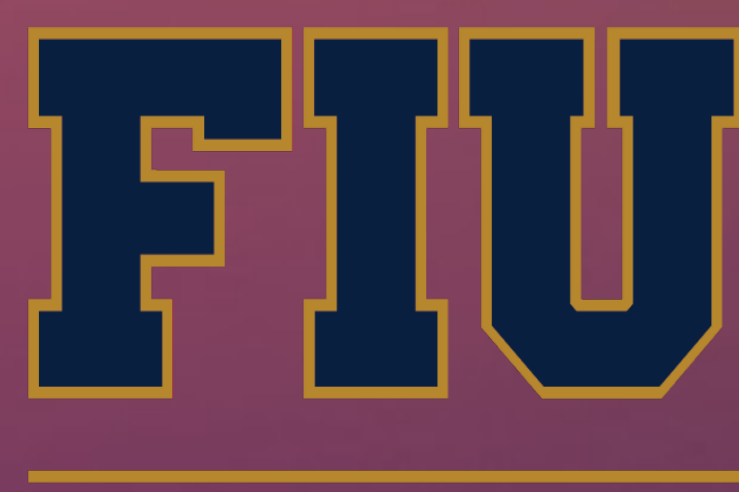




Knight Foundation School of Computing and Informational Science

Summer 2023 Senior Design Project

Numom



Knight Foundation
School of Computing
and Information Sciences

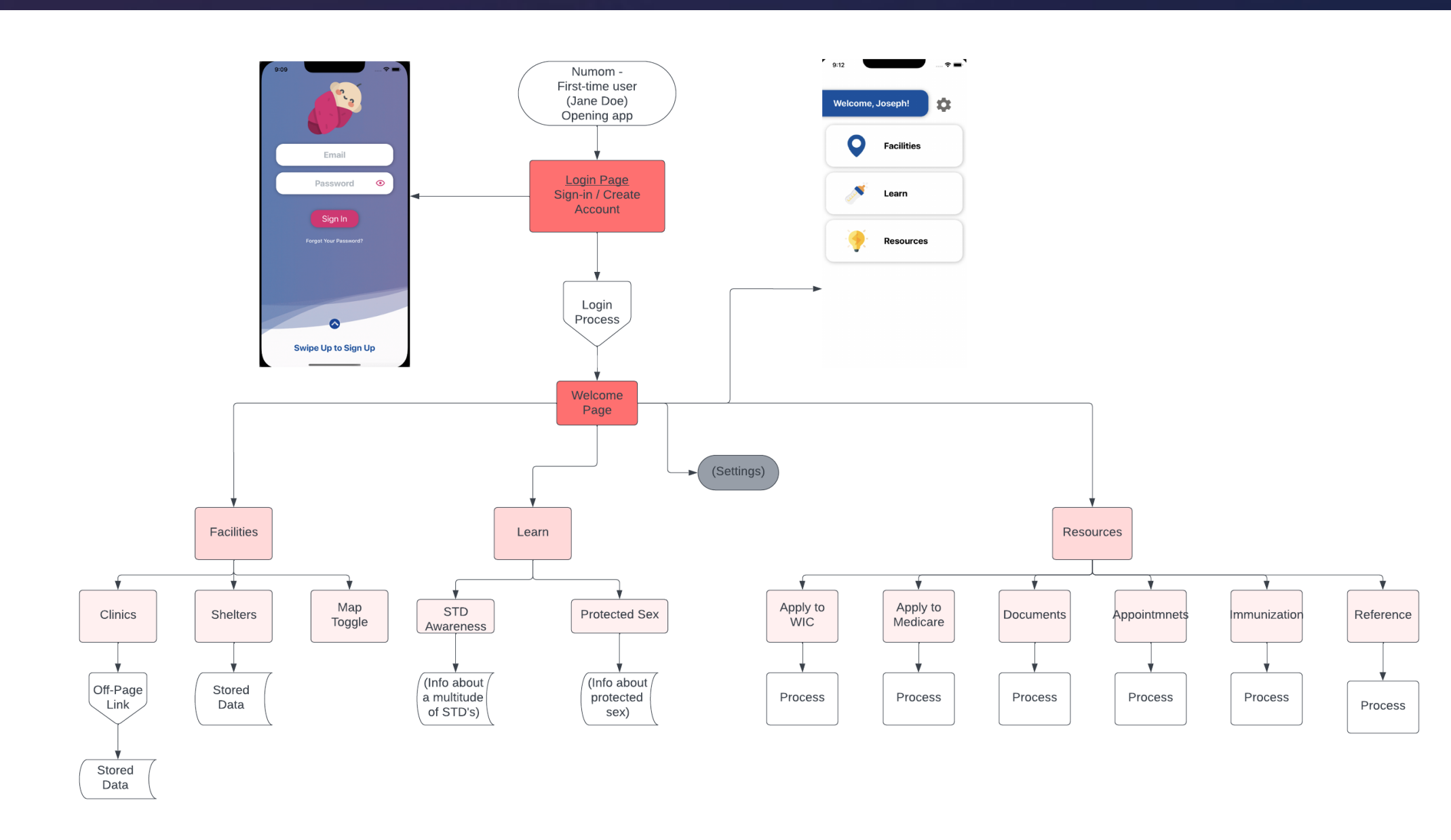
Student: Joseph Bargallo

Mentor: Jean Hannan, Product Owner & Eduardo Morales, NuMom Veteran
Instructor/Faculty: Dr. Masoud Sadjadi, Florida International University

PROBLEM

- New and expecting mothers of low income face many problems. It can be overwhelming to them not having the resources that can help them readily available
- This app gives mothers the ability to have easier access to the care and information that they need in order to take better care of themselves and their infant. They can learn about Sexual health and find local facilities to get into contact with local professionals

SYSTEM DESIGN



VERIFICATION

In order to verify our code, we used github to work in different branches to test our work based on our development branch. In order to run our code for testing we used expoGo to run it. Once our user stories were completed, we created pull requests that pended two peer reviews before being able to be merged into the development branch.

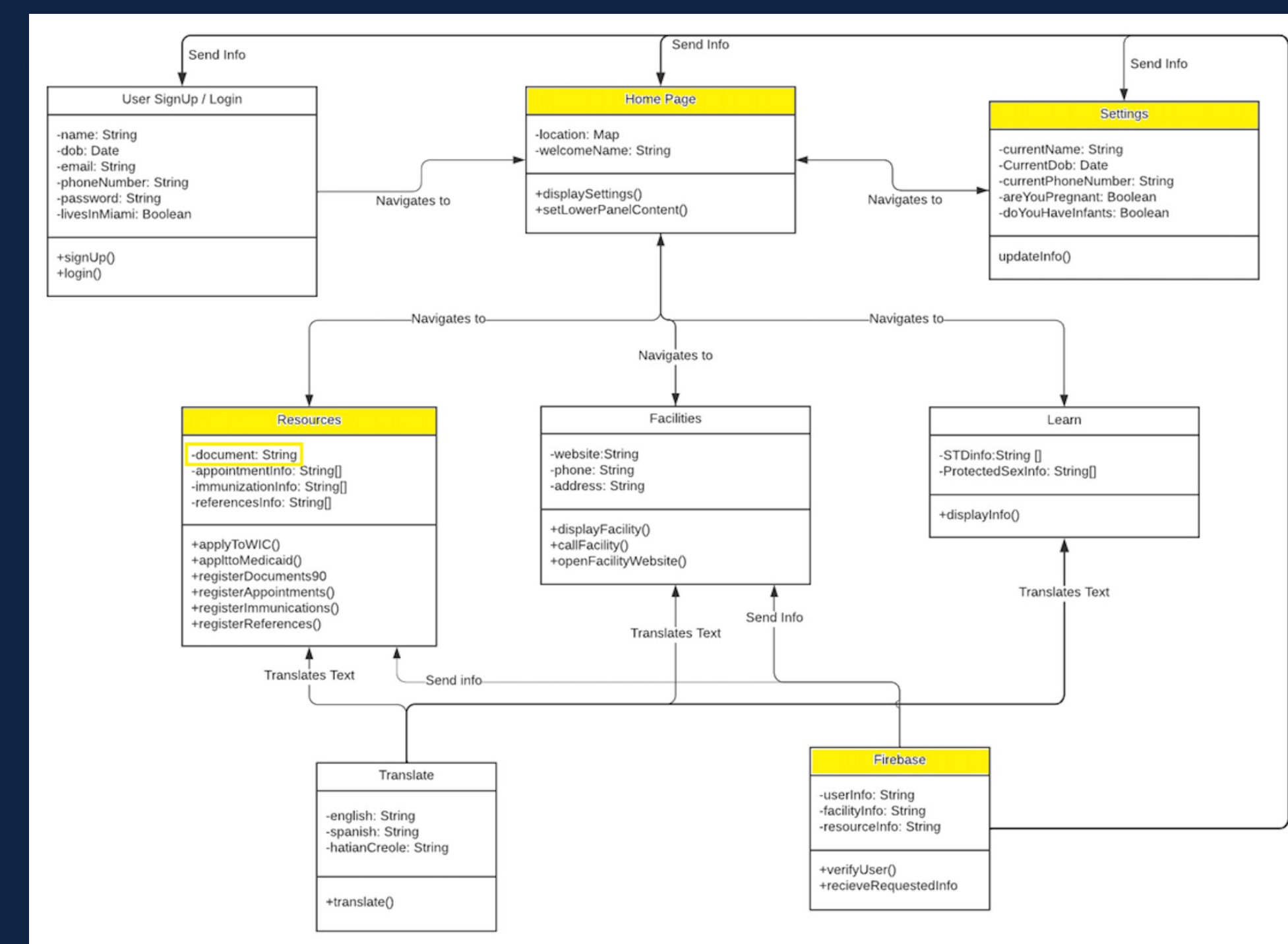
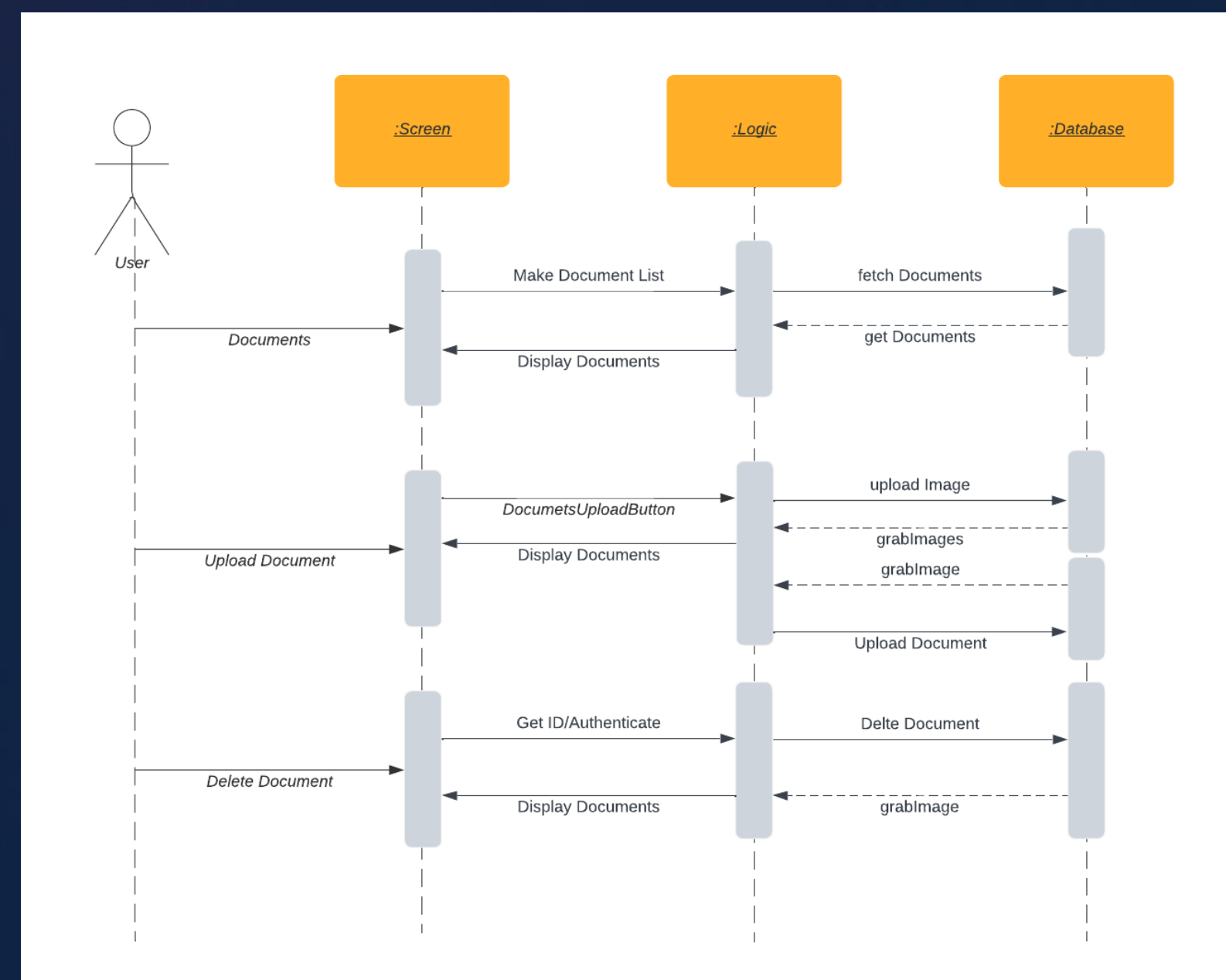
ATTENTION: Subheadings shown above is a recommended structure for a research/scientific poster. Main elements of a poster are Introduction, Research and Conclusion. Researchers can customize the section headers based on their projects' needs. REMOVE THIS TEXT ONCE YOU START WORKING ON YOUR POSTER

CURRENT SYSTEM

The current version of NuMom allows users to.

- Gain access to resources on STD's, safe sex practices and pregnancies
- Access to information on location of clinics and other facilities
- Record important information, documents, appointments, immunization
- The ability to run the app in English, Spanish and Haitian creole
- Providing information on resources like Medicaid

OBJECT DESIGN



SUMMARY

The current version of the Numom app has been improved incrementally through out the semester. The team has fixed many documented bugs from previous semesters. Some features were improved upon and made to work better in our current version. The app was updated to expo version 49 and we checked that the dependencies were also upgraded to make sure everything was working fine. Working as a team allowed me to set goals for myself and learn how to meet deadlines as well as work on my communication skills.

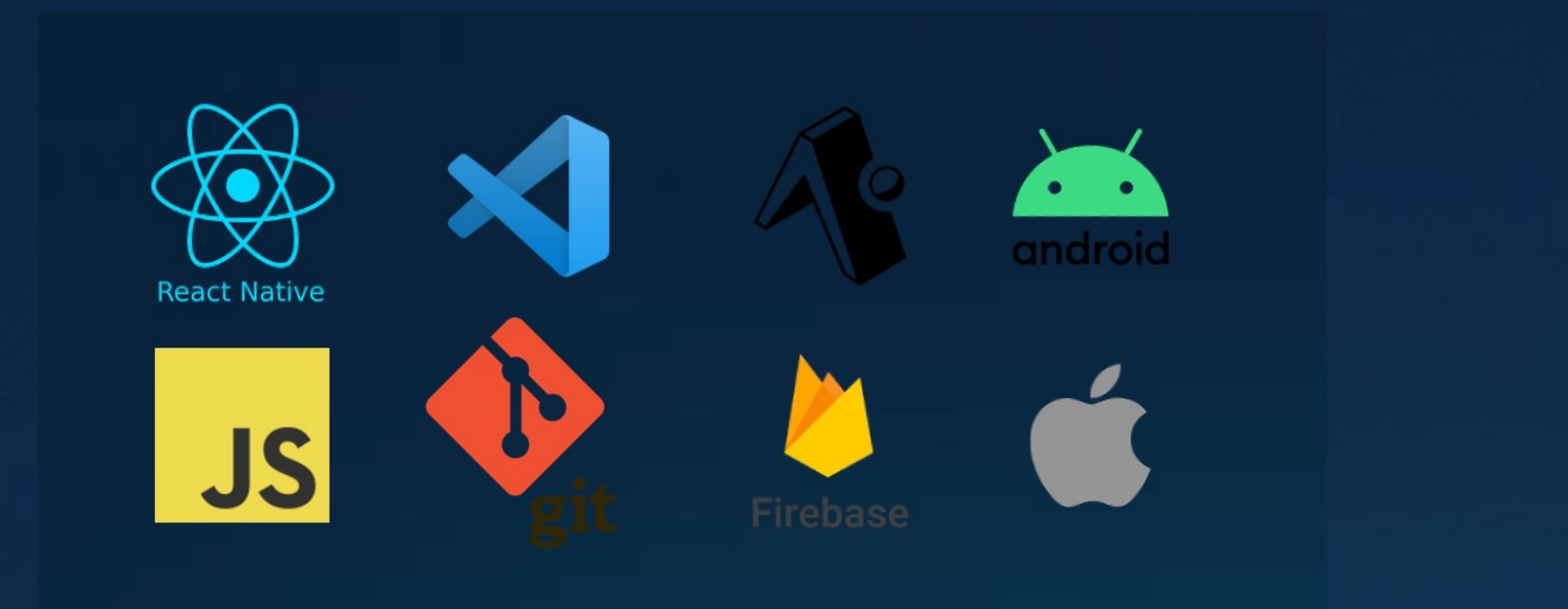
REQUIREMENTS

The focus of our development was to fix any present bugs and adding and improving upon the current app architecture. As well as keeping the app up to date with is expo and dependencies.

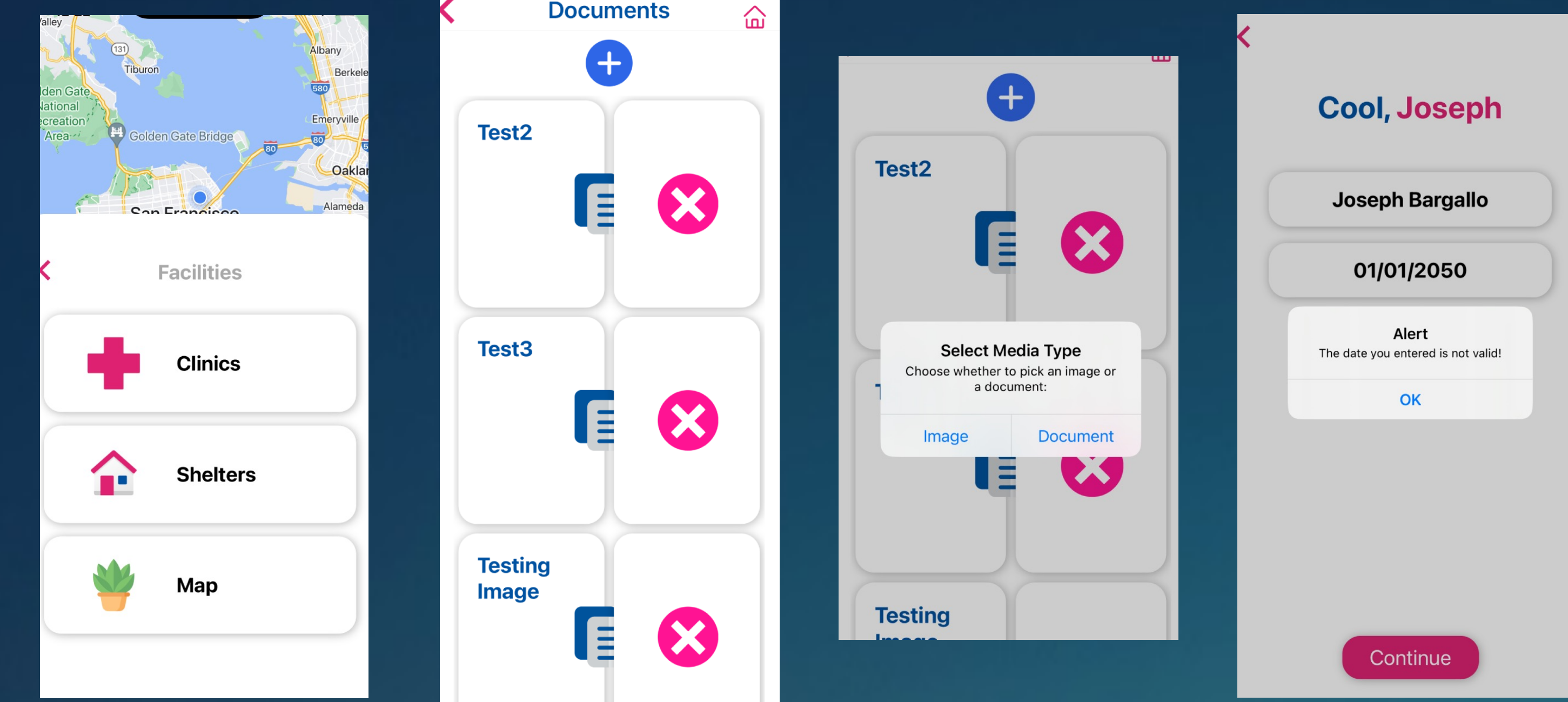
My Contributions included:

- Updating the app to expo 49
- Adding date restriction to date of birth
- Adding functionality to upload documents
- Creating a map toggle in facilities so the map is not present upon opening the home screen.
- Allowing users to delete any uploaded files to documents

IMPLEMENTATION



SCREEN SHOTS



Engineering
& Computing

ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by Jean Hannan. We/I thank Jean Hannan for his/her/their assistance and mentorship that I/we received throughout the Capstone II project.

FLORIDA INTERNATIONAL UNIVERSITY