

Capstone II Final Project Spring 2023

NuMom (Keeping Moms & Infants Healthy)

Team Members: Miguel Sablan, Jason Francis, Samuel Pellot, Vanya Farzamipour

Product Owner(s): Dr. Jean Hannan

Mentor(s): Eduardo Morales

Professor: Masoud Sadjadi



Problem definition

- ❖ Low-income mothers often struggle to access the necessary resources and information to care for their infants. As a result, they are often forced to rely solely on their existing knowledge during their pregnancies. While this approach can be effective, our project aims to simplify the process of obtaining resources and information for new mothers.
- ❖ The purpose of this app is to cater to the needs of mothers by providing them with essential information on prenatal and postnatal. It aims to bridge the gap and ensure that mothers can take care of themselves and their children.

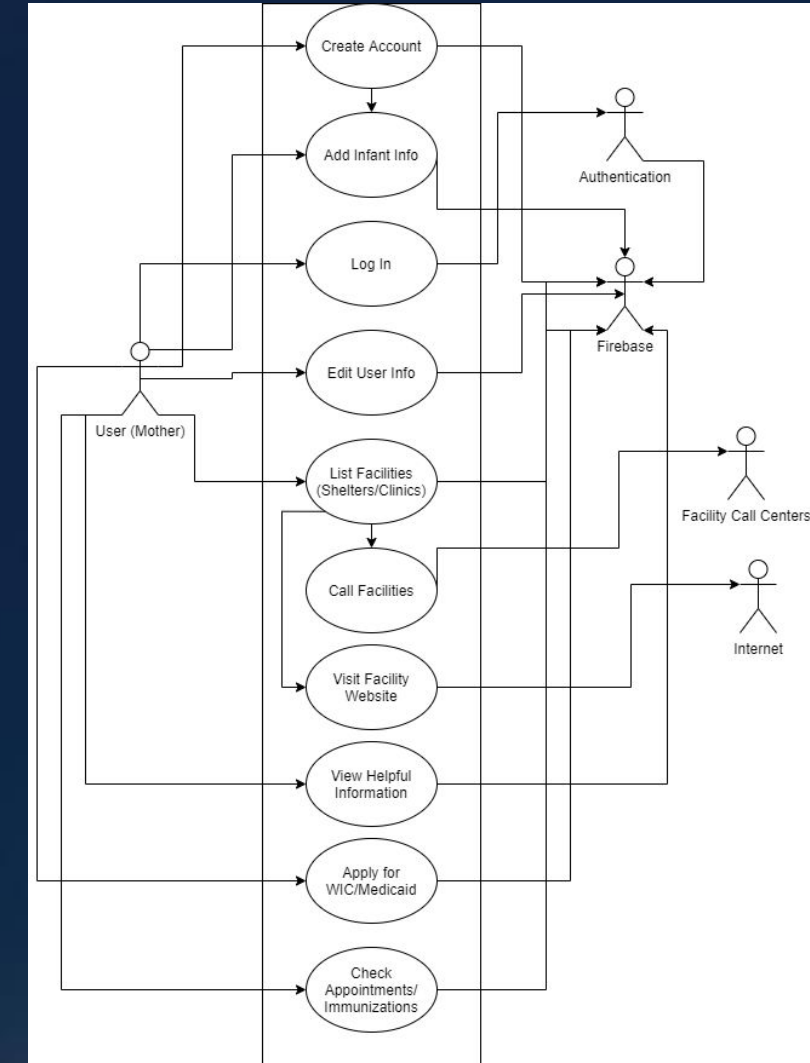
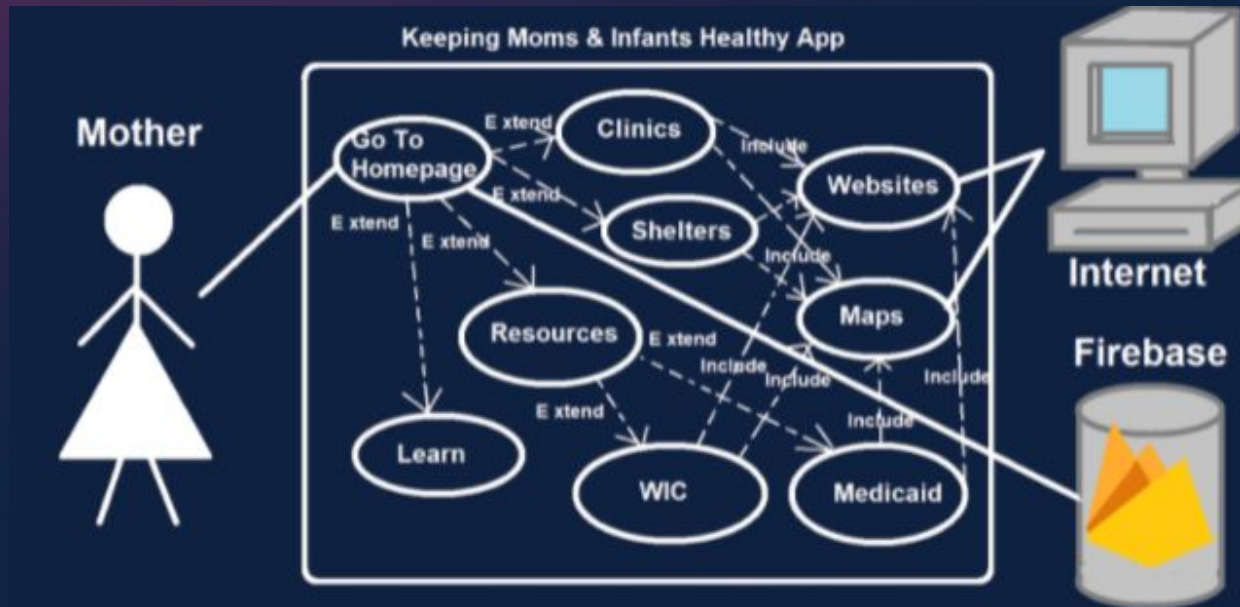
Project Management

User Stories Completed	January	February	March	April
01,02, 583		Sprint 2		
01, 02, 594, 399, 553		Sprint 3		
01, 02, 602, 479, 608, 486			Sprint 4	
01, 02, 611			Sprint 5	
01, 02, 545				Sprint 6
In Progress				Sprint 7

User Stories

User Story ID	Belongs To	Description	Member(s)
#01	Developers	Review Pull Requests for each Sprint	All members
#02	Developers	Post a new issue to GitHub	All members
	Developers	Task #1: Welcome Spring 2023!	Entire team
#583	Developers	Task #2: Password Strength Checker	Entire team
#594	Developers	Update UI for phone number text	Miguel Sablan
#486	Developers	Condensing info on multiple STD tabs	Vanya Farzamipour
#399	Developers	Add Password Strength Progress Bar to Sign Up page	Samuel Pellot
#553	Developers	Text Visibility and Words Cut-Off within Feeding Section	Jason Francis
#479	Developers	Change font color to white when in dark mode on Appointment Tab: Dates	Samuel Pellot
#602	Developers	Update phone number text in settings	Miguel Sablan
#608	Developers	Darken Information on Steps and Feeding Pages	Jason Francis
#611	Developers	Get rid of Unused imports in file	Vanya Farzamipour
#545	Developers	Upgrade Expo to version 48	Miguel Sablan, Jason Francis, Samuel Pellot
#1000	Developers	Finish Final Deliverable and Prepare for Showcase	Vanya Farzamipour, Miguel Sablan, Samuel Pellot, Jason Francis

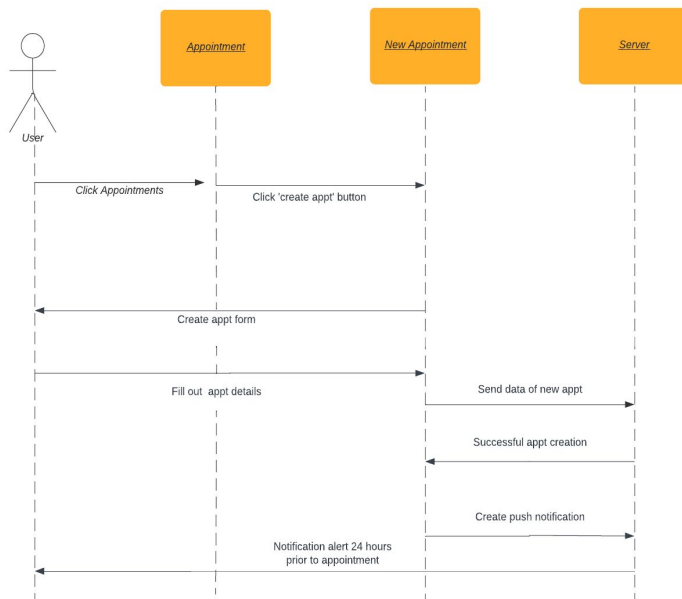
Use Case Diagrams



Sequence Diagrams

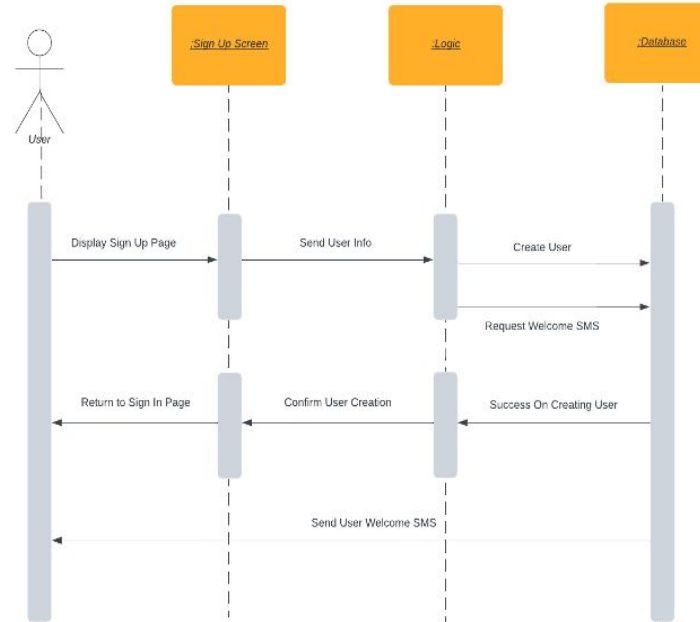
Sequence diagram for creating an Appointment

Miguel Sablan | April 18, 2023



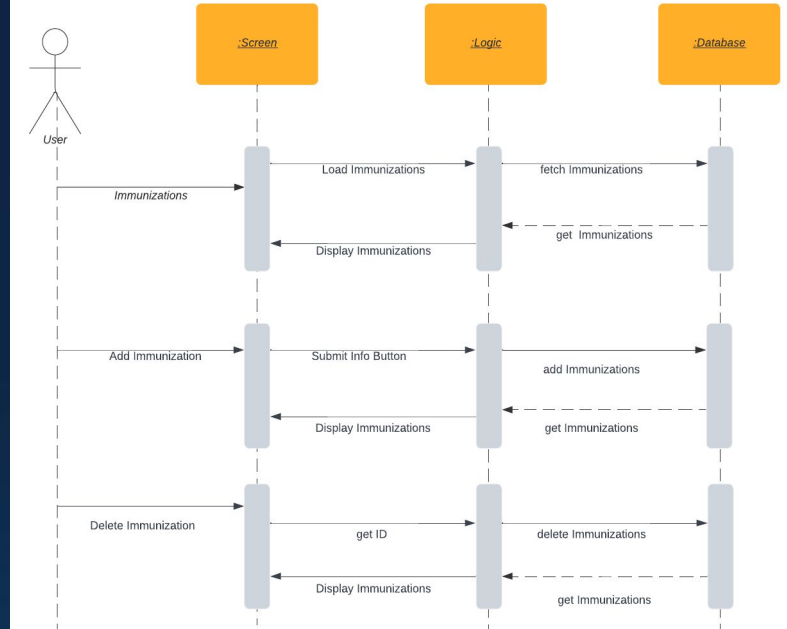
Sequence diagram

Saouat Pellon | April 16, 2023



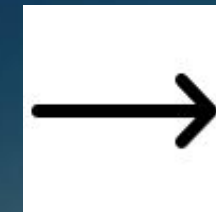
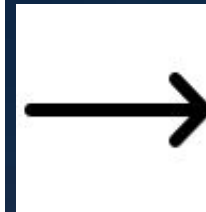
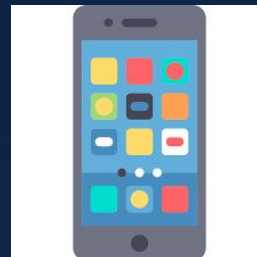
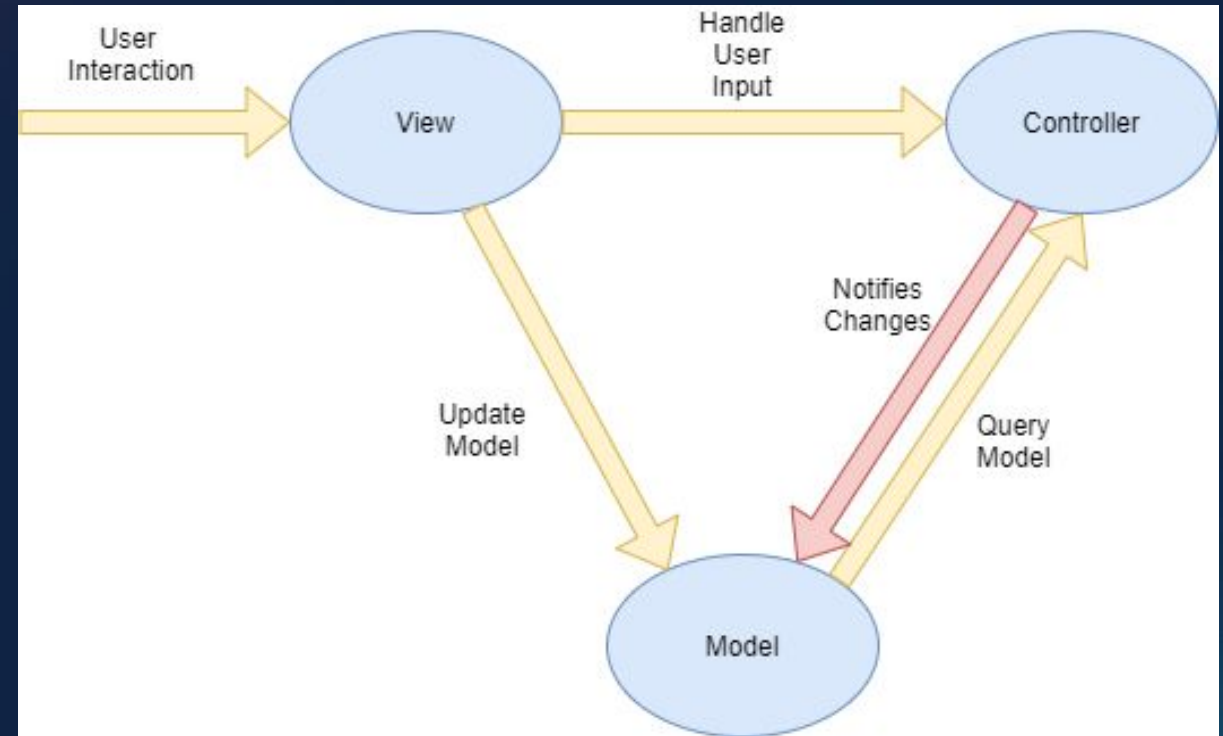
Sequence diagram

Jason Francis | April 17, 2023

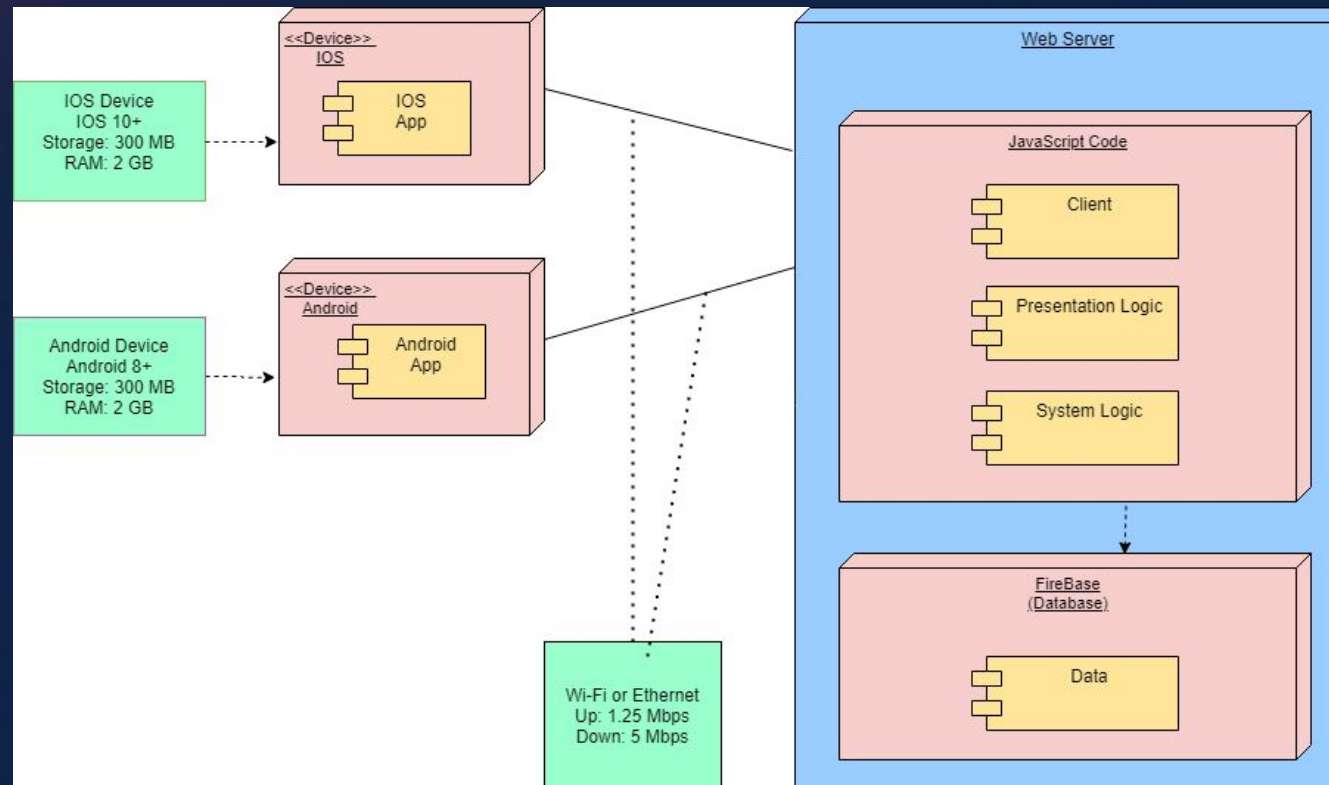


System Design: Architecture

- View - displays the information to the user, the UI
- Controller - handle the user input
- Model - Contains the core functionality and data

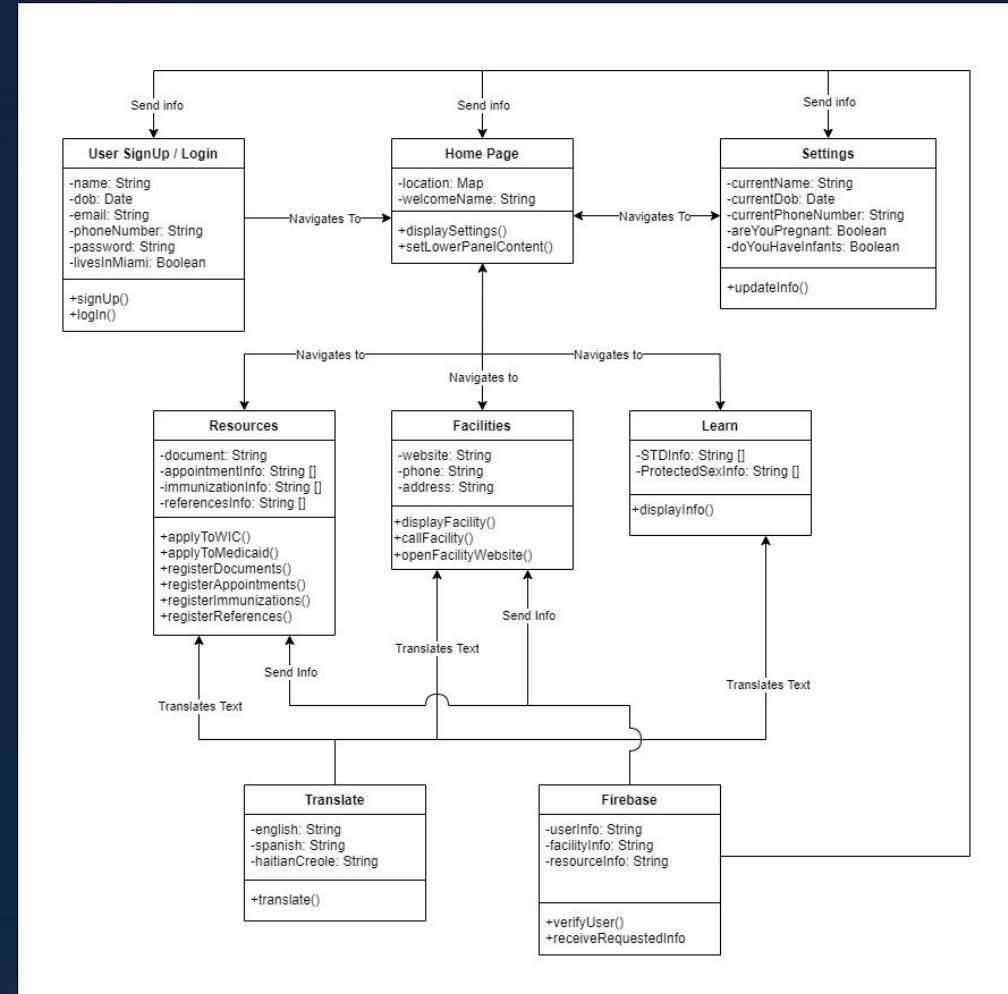


System Design: Deployment



Minimal Class Diagram

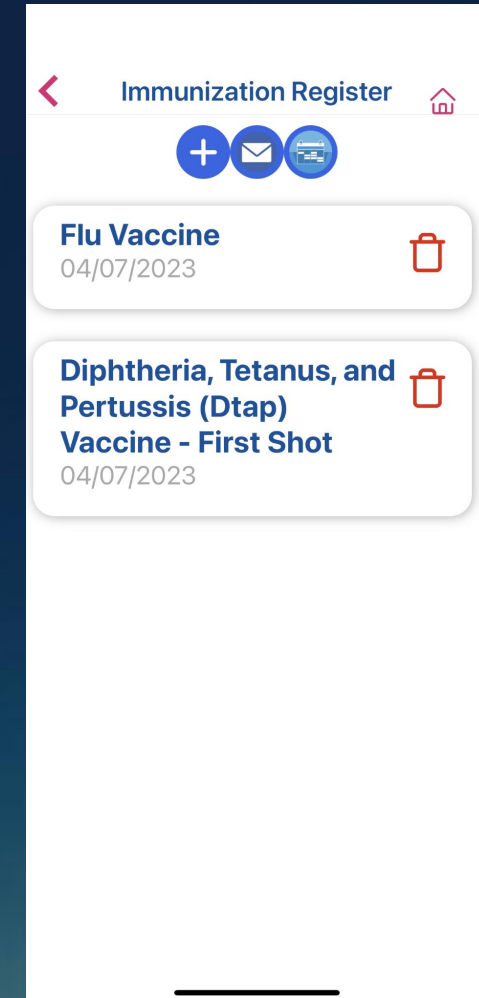
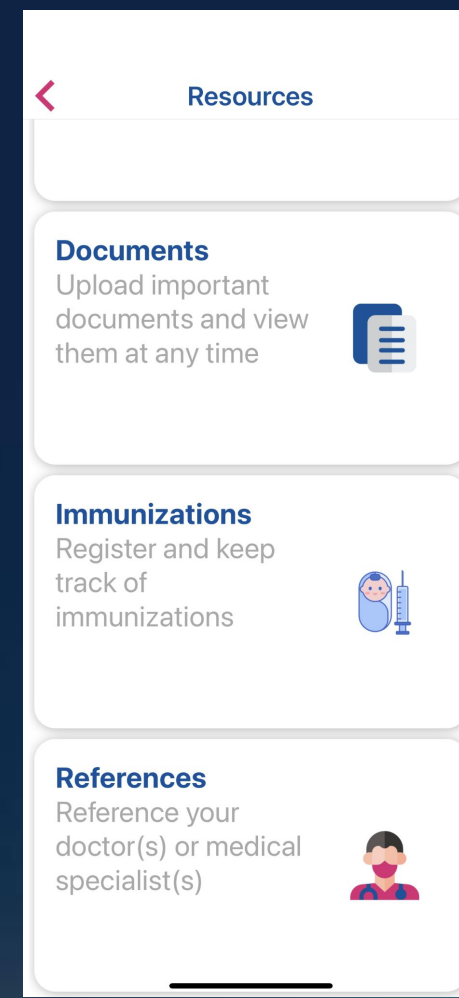
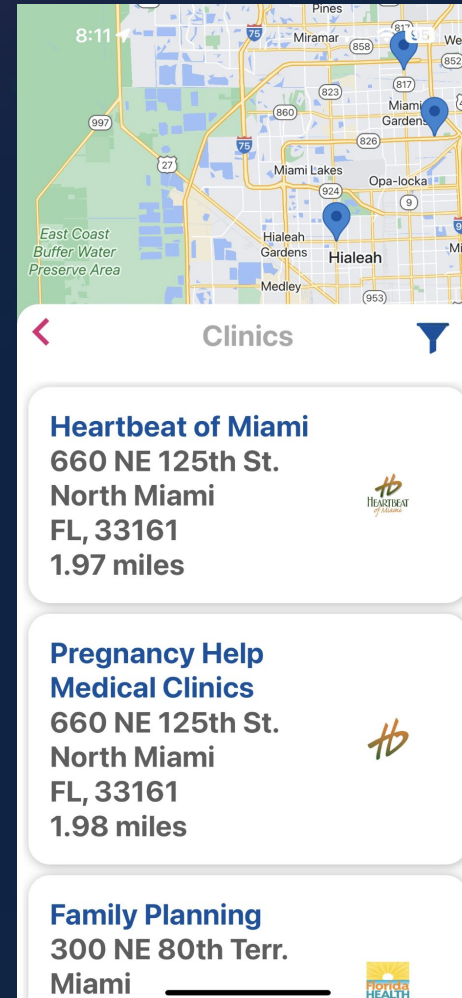
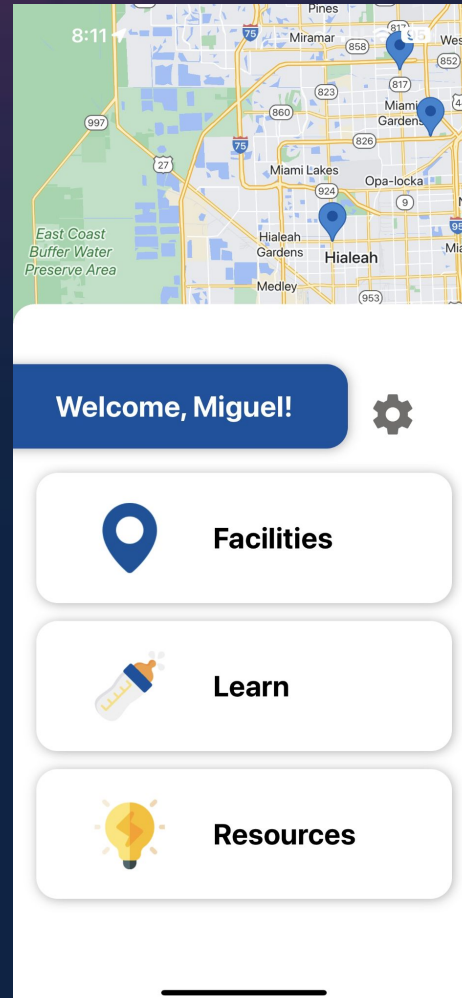
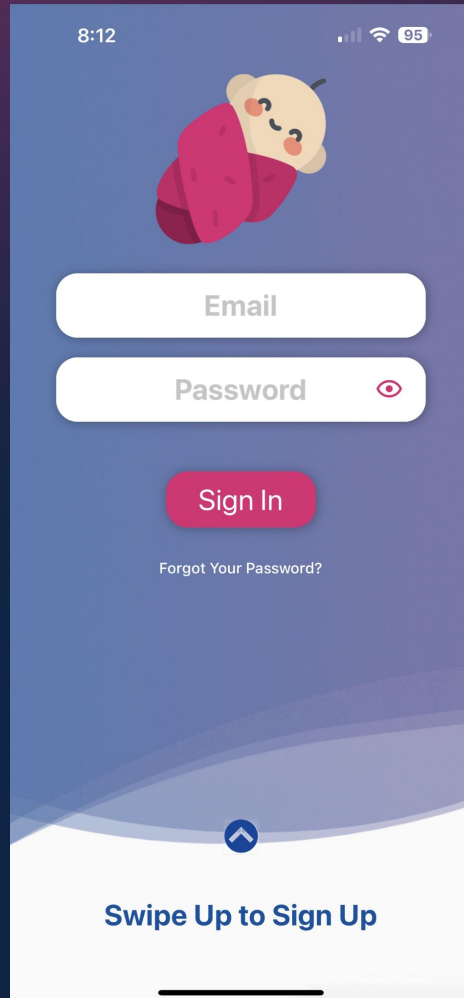
- Design Patterns:
 - Facade
 - Singleton
 - Iterator
 - Chain of Responsibility



Key NuMom App Functionalities:

- Comes with support for English, Spanish, and Haitian Creole
- Provides an easy to use schedule feature where users can record appointments, documents, immunizations, and medical references.
- Notifications for upcoming appointments
- Informational pages with links to websites detailing STDs, safe sex, how to apply for insurance and Medicaid
- Provides users with local facilities (via Google Maps) such as clinics and family centers to reach out to and even contact to receive professional services.

Screenshots



Summary

- NuMom aims to provide an accessible and easy to use platform in order for mothers to receive the knowledge and resources necessary to successfully take good care of their children.

- If you have any questions, please feel free to contact us at the following emails:
 - Jason Francis: Jfran258@fiu.edu
 - Miguel Sablan: msabl005@fiu.edu
 - Samuel Pellot: spell014@fiu.edu
 - Vanya Farzamipour: vfarz001@fiu.edu