



Knight Foundation
School of Computing
and Information Sciences

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Fall 2023 Capstone II Project

NuMom (Keeping Moms & Infants Healthy)

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Mentor: Jean Hannan, Product Owner & Eduardo Morales, Lead Developer

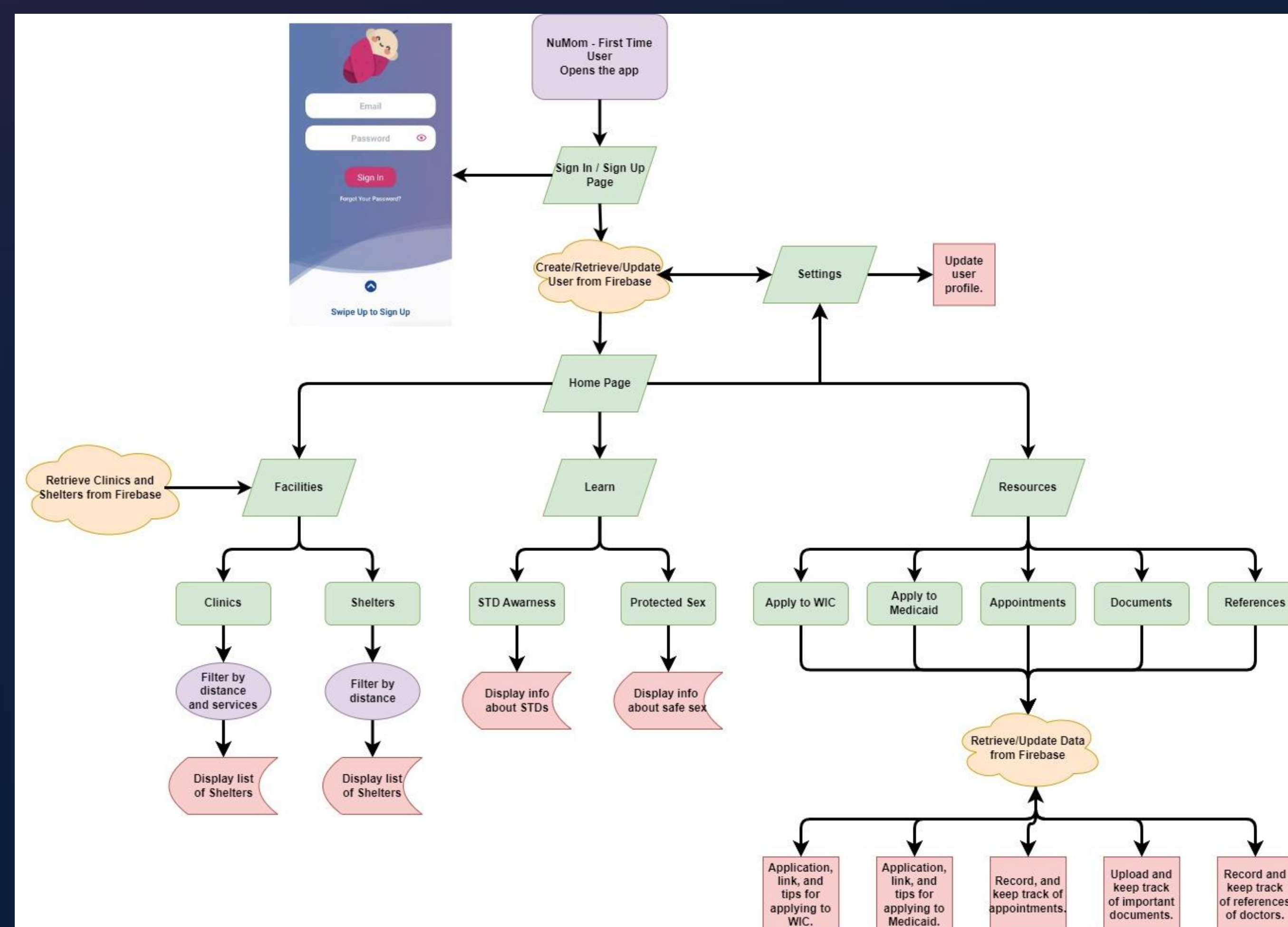
Instructor/Faculty: Dr. Masoud Sadjadi, Florida International University



PROBLEM

Low-income women constantly struggle with a lack of access to necessary resources and knowledge for caring for their infants. Because of this, women are forced to rely on their prior knowledge throughout pregnancy rather than having easy access to new information. By using this approach, we can try to make it simpler for new moms to access these tools and information. The main objective of this app's design is to cater to moms' demands while also offering crucial information regarding prenatal and postoperative care—a subject that is frequently disregarded. Our goal is to make sure that these moms have access to the greatest care possible for both themselves and their kids.

SYSTEM DESIGN



VERIFICATION

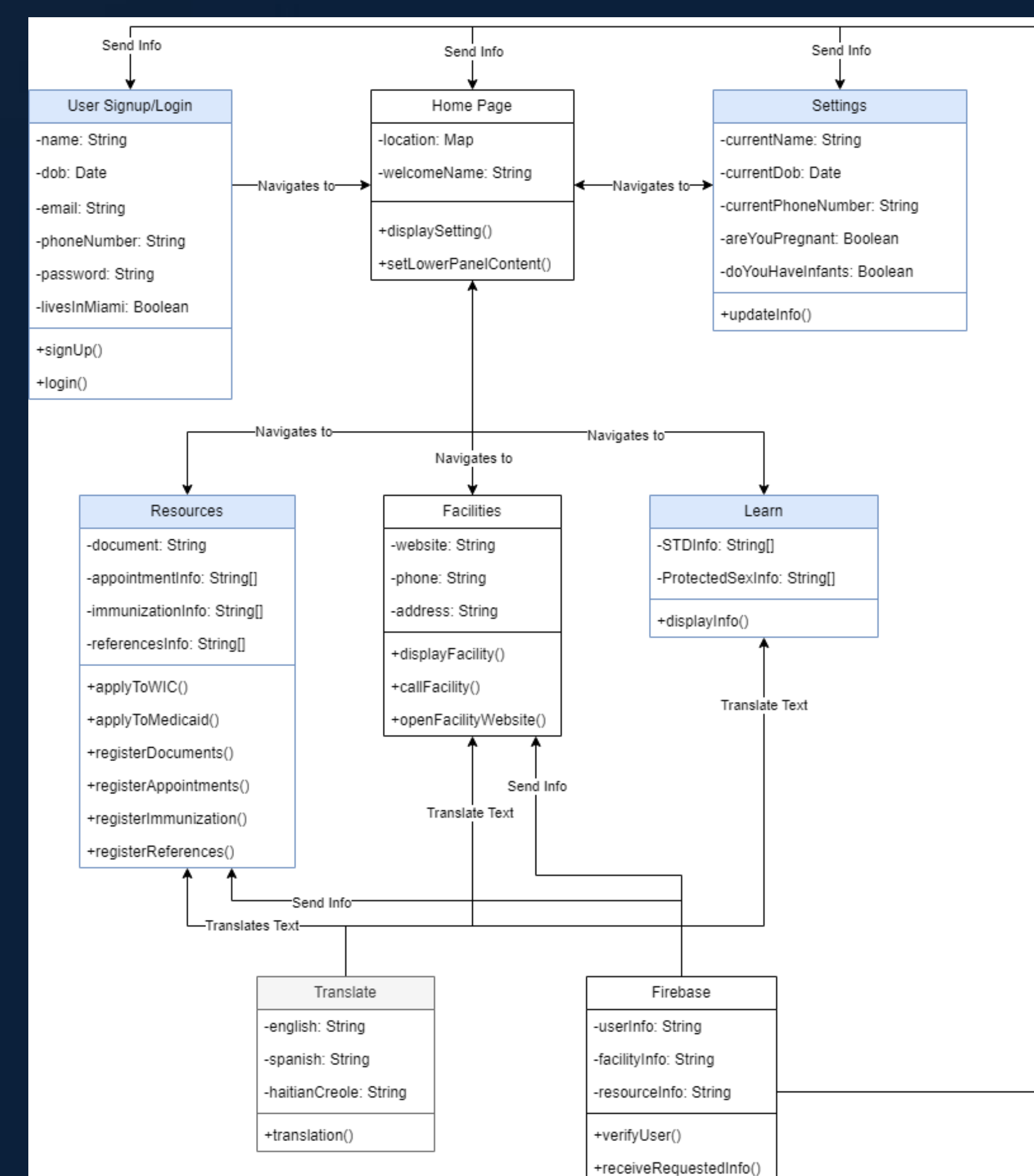
Together, we used Visual Studio Code and Expo to test the code in order to validate the issues and stories that were handed to us. We were able to test the branches that our team members and make pull requests thanks to the group's understanding worked on of Git. We started a pull request after branching out of the development branch to focus on a particular issue. Two more team members had to test and approve the updated code once it was created in order to make sure it functions properly.

CURRENT SYSTEM

NuMom's current version and its features are:

- Support for three languages: English, Spanish, Creole
- Locate Shelters and Clinics near the area of the user
- Important accessible resources regarding Parenthood, Medicaid, WIC, STDs, Pregnancies and Safe Sex
- Users can organize their documents about their health and upload them
- Users can set appointment reminders
- Users can sign up/log in to the app

OBJECT DESIGN



SUMMARY

The overall objective of NuMom is to make these materials easily accessible in order to support low-income women in providing prenatal and postpartum care for their infants. Our goal was to assist these moms in giving their babies the finest care possible. With the help of the tools we've put in place, they may live more conveniently by organizing and managing their appointments, vaccinations, paperwork, and medical references.

REQUIREMENTS

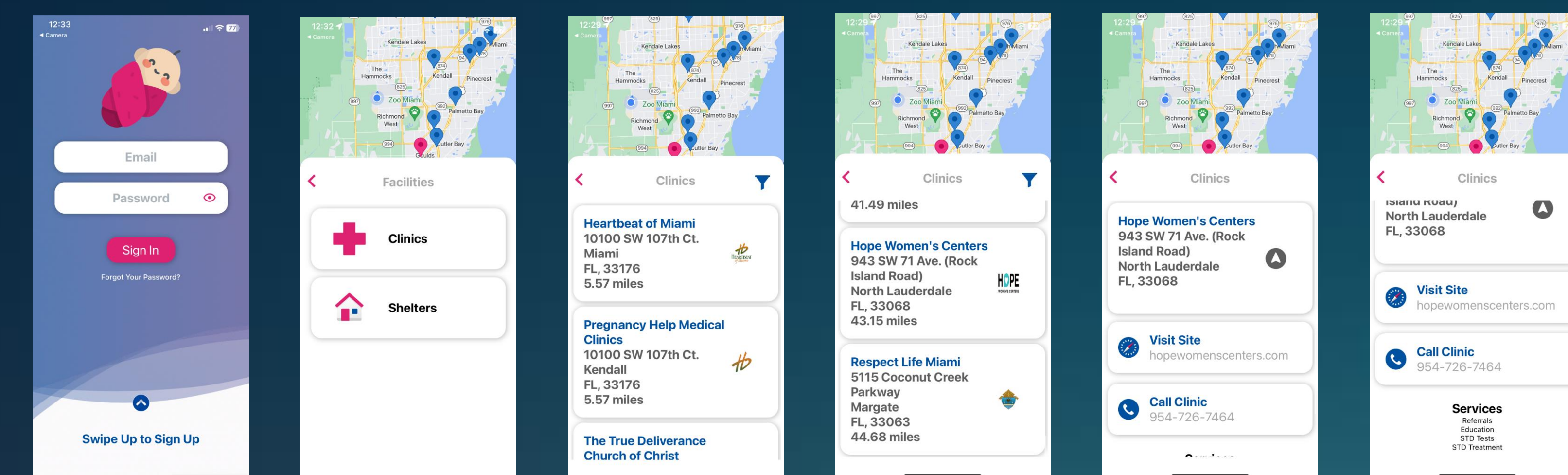
For this semester, our team was more focused on enhancing the application's user experience by removing and improving existing features. The goal was to enable users to navigate through the app more easily. Specific improvements include:

- Addressed formatting issues throughout the app
- Ensured the Map always appears
- Improved the loading speed of the Map
- Enhanced the loading speed of the Clinics
- Adjusted the scroll function to view all Clinic

IMPLEMENTATION



REFERENCES



Engineering
& Computing

ACKNOWLEDGEMENT

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

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