



Knight Foundation School of Computing and Informational Sciences

Fall 2022 Capstone II Project



Knight Foundation
School of Computing
and Information Sciences

NuMom (Keeping Moms & Infants Healthy)

Student: Eden Sasson

Mentor: Jean Hannan, Product Owner & Eduardo Morales, NuMom Veteran

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

PROBLEM

The main issue is that low-income, new and prospective mothers lack the access to proper services, information and tools to provide for their children. With NuMom, a free app that allows mothers easier access to all the resources available to them and thus empowering and helping all mothers.

CURRENT SYSTEM

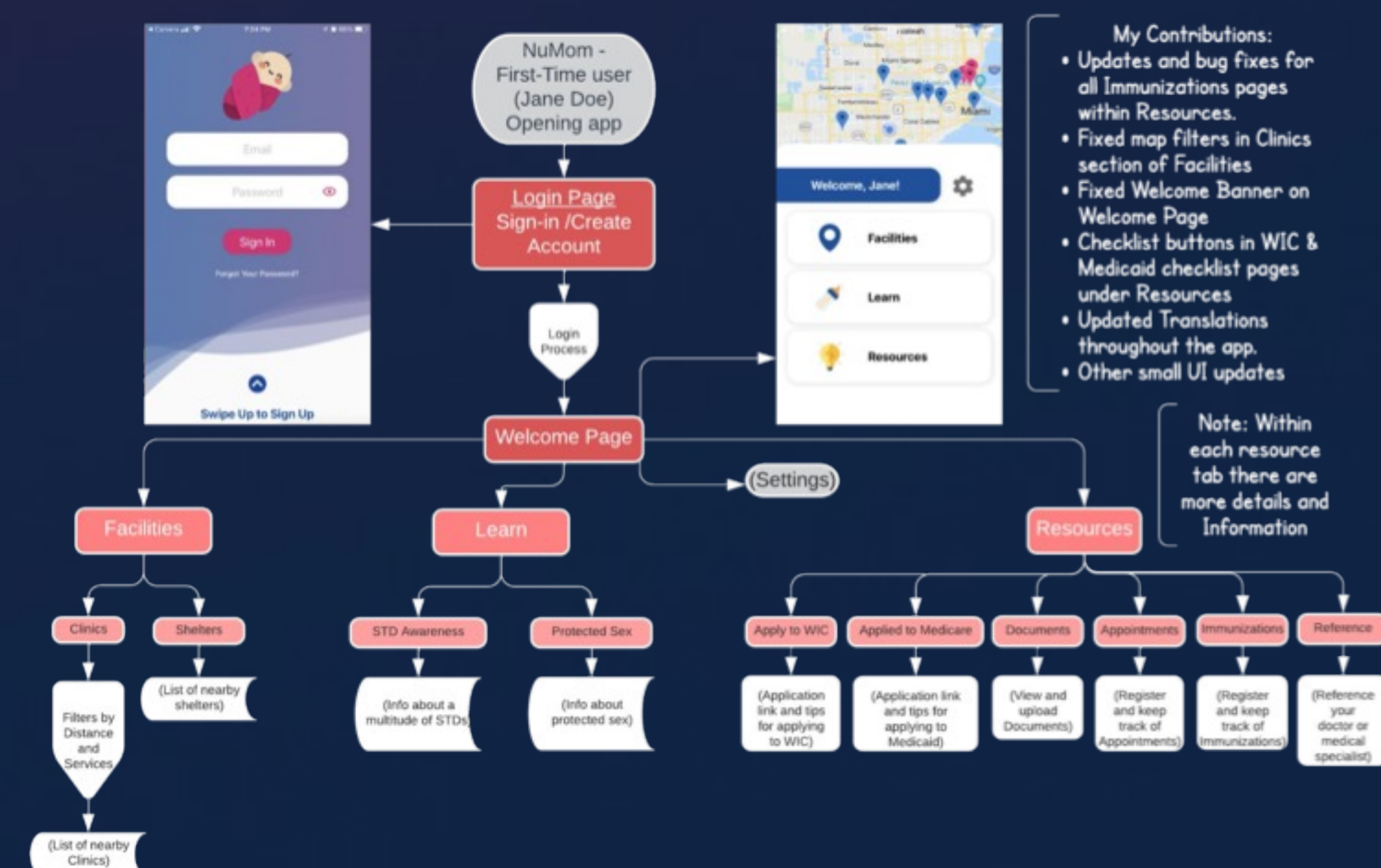
The following features are available to users:

- Provide data and tools to make it easier to apply for Medicaid and WIC.
- Locating facilities such as clinics and shelters
- Languages: English, Spanish, and Haitian Creole
- Provides information on STDs and safe sex practices
- Saves and updates user profile along with information such as immunizations, documents or appointments

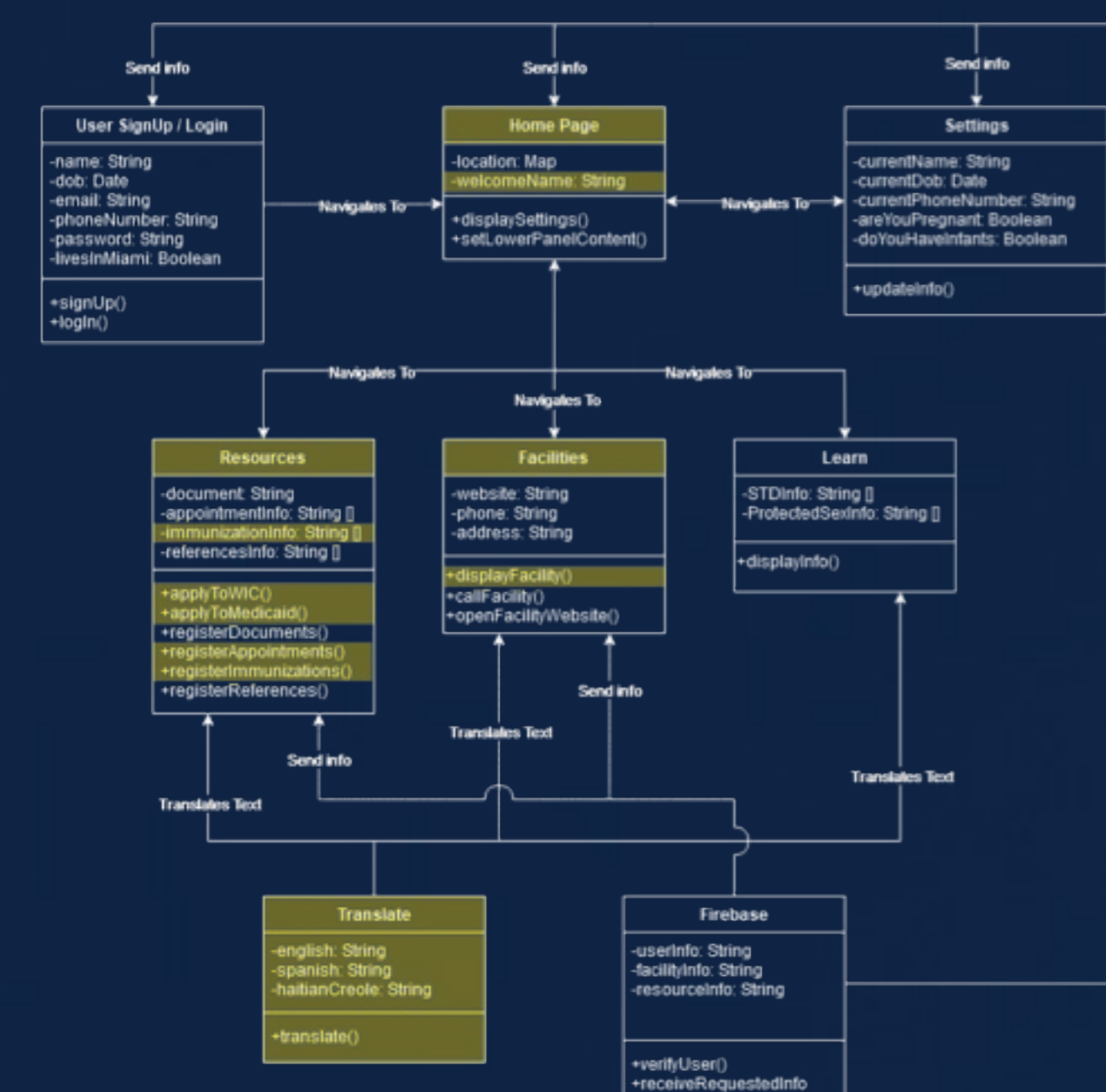
REQUIREMENTS

The main goal of this semester was to improve the user interface design to make the app more accessible and fix issues that made the app less usable. The app has been refined to enhance the user experience. Functionality has been refined and elements that were not working properly have been fixed. Our group focused on IOS and Android compatibility. Where the app's different user-facing features would include updated resources on Medicaid, WIC, STD prevention and understanding. While keeping the interface user friendly.

SYSTEM DESIGN



OBJECT DESIGN



IMPLEMENTATION



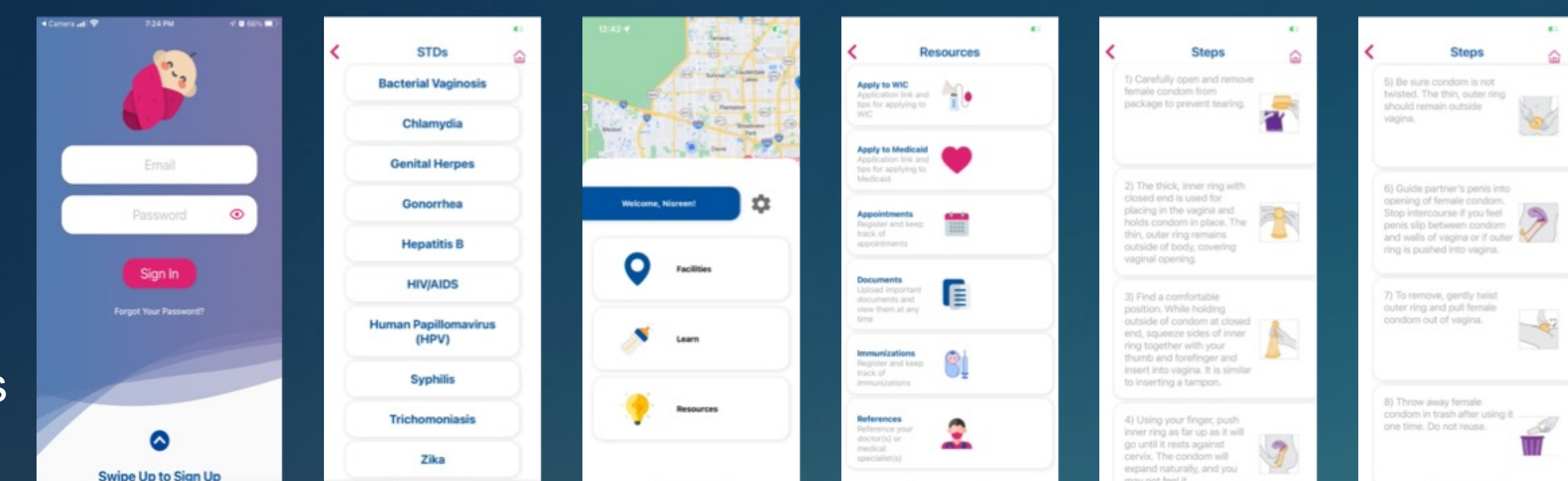
VERIFICATION

We used two main software platforms to aid in testing the app: GitHub and Expo go to run locally and have immediate visualization of updated code. Each component was tested to ensure that Pull Requests were indeed functional and improved the functionality of the app.

SUMMARY

The current iteration of our application has been improved by refining the user interface design and fixing issues to improve overall functionality. The app currently supports a variety of features, including locating a facility, applying for Medicaid and WIC, saving documents such as immunizations, appointments and letters of recommendation, and checking infant development and milestones. We are continuing to enhance the App for low-income and diverse mothers with free and low-cost community resources and information on how to locate and receive care and assistance.

SCREENSHOTS



Engineering
& Computing

ACKNOWLEDGEMENT

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FLORIDA INTERNATIONAL UNIVERSITY