



Knight Foundation School of Computing and Information Sciences

Knight Foundation School of Computing and Informational Sciences Summer 2022 Capstone II Project NuMom (Keeping Moms & Infants Healthy)



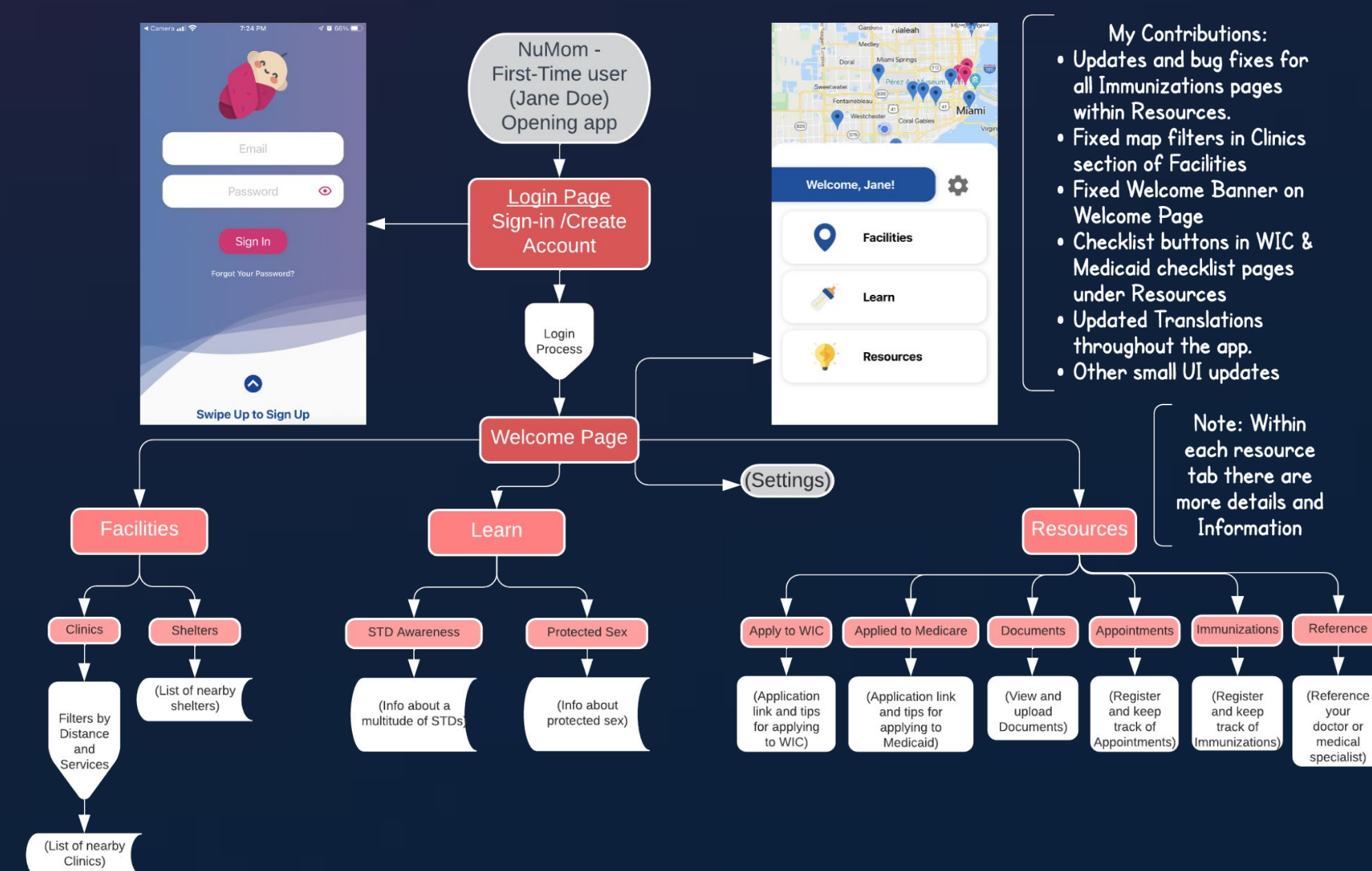
Student: Nisreen Shuman

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

PROBLEM

Low-income new and prospective moms have considerable inequity in access to essential mother-care resources. These moms find it challenging to properly care for themselves and their children without access to these services. With NuMom's assistance, moms and expectant women may more easily identify these resources, read crucial parenting advice, locate crucial facilities, schedule vital appointments, and keep on track with their child's developmental requirements. In order to close the gap and give all moms equitable access to the greatest resources for taking care of themselves and their children, NuMom aims to overcome it.

SYSTEM DESIGN



VERIFICATION

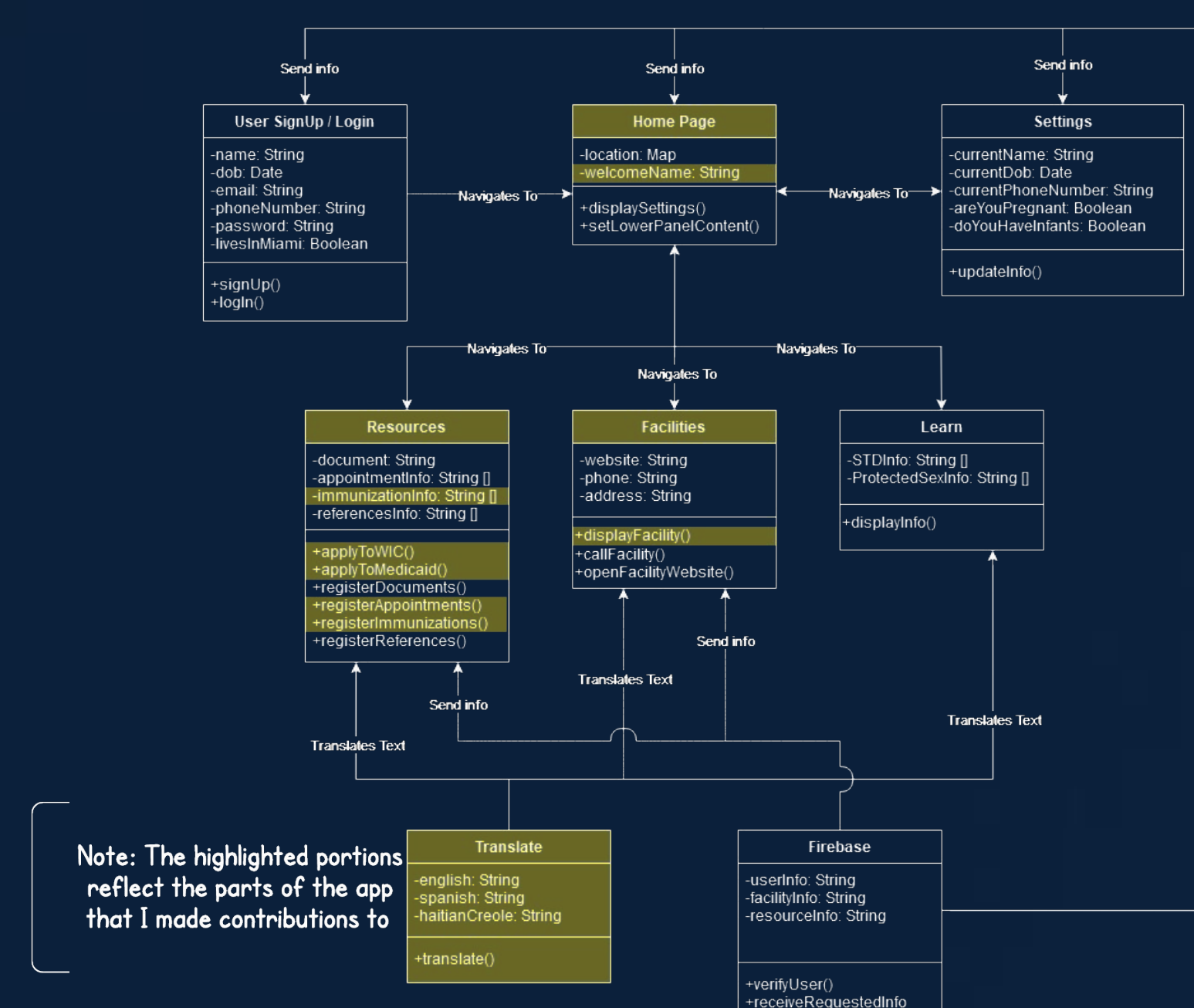
We tested the app's current state by launching an expo localhost tunnel through a terminal to execute it on a server. The Expo Go app on the tester's smartphone was then able to connect to this application. This enables the tester to alter the code and view the results of those changes on their mobile device in real time. Git was utilized by us to manage versions. Each sprint, we would share the new problems and issues we discovered with the app among ourselves by posting them to Github. We would address these problems as soon as we could and submit pull requests to Github, where they would be reviewed by two members to make sure they complied with the standards before being merged.

CURRENT SYSTEM

The following features are available to users of the NuMom app's most recent version:

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

OBJECT DESIGN



SUMMARY

The NuMom app's current version has been enhanced by refining the user interface design. This was my first semester working on this project and I got acquainted with the app pretty quickly. Throughout the semester we worked to discover and resolve many issues we've found within the app to create a better user experience. The functionality of the app was improved by addressing all issues found by the team this semester. I believe that these materials will provide each woman the knowledge and direction necessary to have a healthy and fulfilling pregnancy and parenthood.

REQUIREMENTS

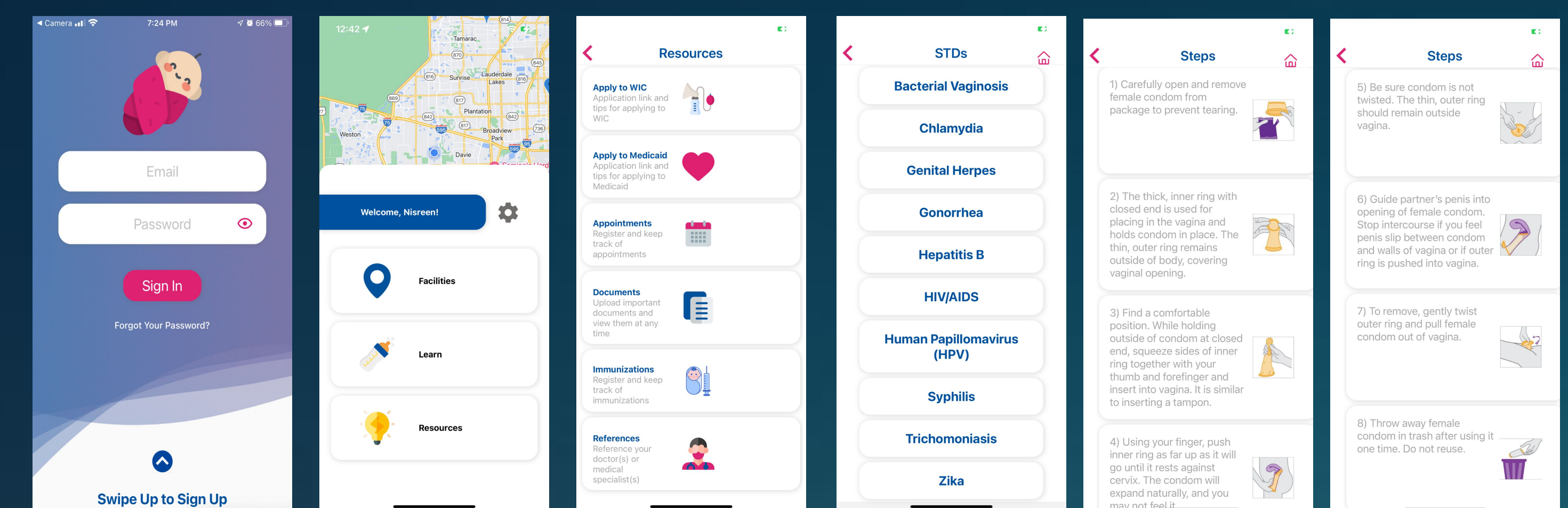
This semester's major objective was to improve the application and get rid of as many issues as we could. To guarantee a consistent user experience throughout the app, the design was optimized. Elements that weren't functioning properly were corrected, and the functions were refined. Some issues i've personally helped resolve include:

- Identified issues and approved resolved issues within the app that needed to be modified to create a better user experience
- Re-ordering of lists containing different STDs in alphabetical order for users to navigate what they're looking for and learn about how it would effect them.
- Numbered steps to take regarding protected sex to allow users to better understand the sequence and be more successful in completing eac step. As well as avoid any chances of a step being skipped or missed.

IMPLEMENTATION



SCREENSHOTS



Engineering & Computing

ACKNOWLEDGEMENT

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

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