



Knight Foundation
School of Computing
and Information Sciences

NuMom (Keeping Moms & Infants Healthy)

Student: Roni Raad

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

PROBLEM

- New mothers don't have access to the resources they need for their newborn babies.
- Our app gives them access to these resources in a simple and frictionless way but needs to be maintained.
- The nuMom app needs people continually working on it and maintaining/improving it.
- Our group is dedicated to improving the nuMom app and making it easier to use and bug-free for all the new mothers who need resources for their children.

CURRENT SYSTEM

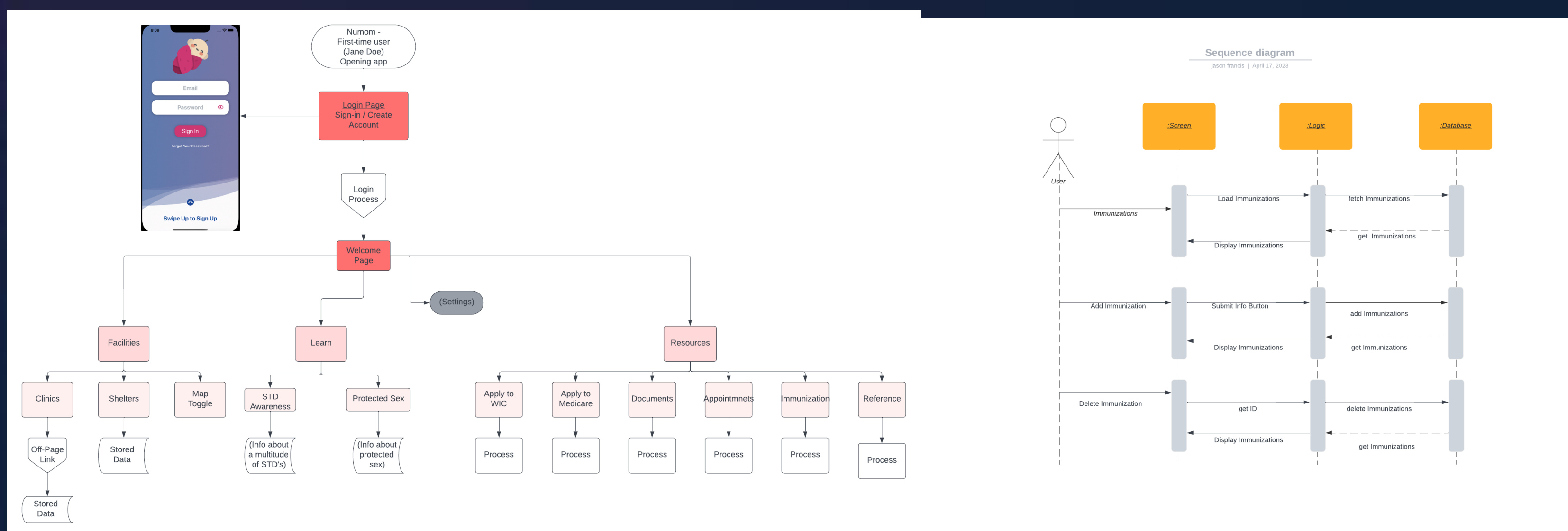
Currently nuMom has many resources for new mothers baked into it.

- Gives nearby locations and information of facilities, clinics, and shelters.
- Allows users to login and save their information for later.
- Gives helpful information on safe sex and how to stay away from STDs.
- Allows for storing of important documents regarding children and their records.
- Helps in applying for government aid.

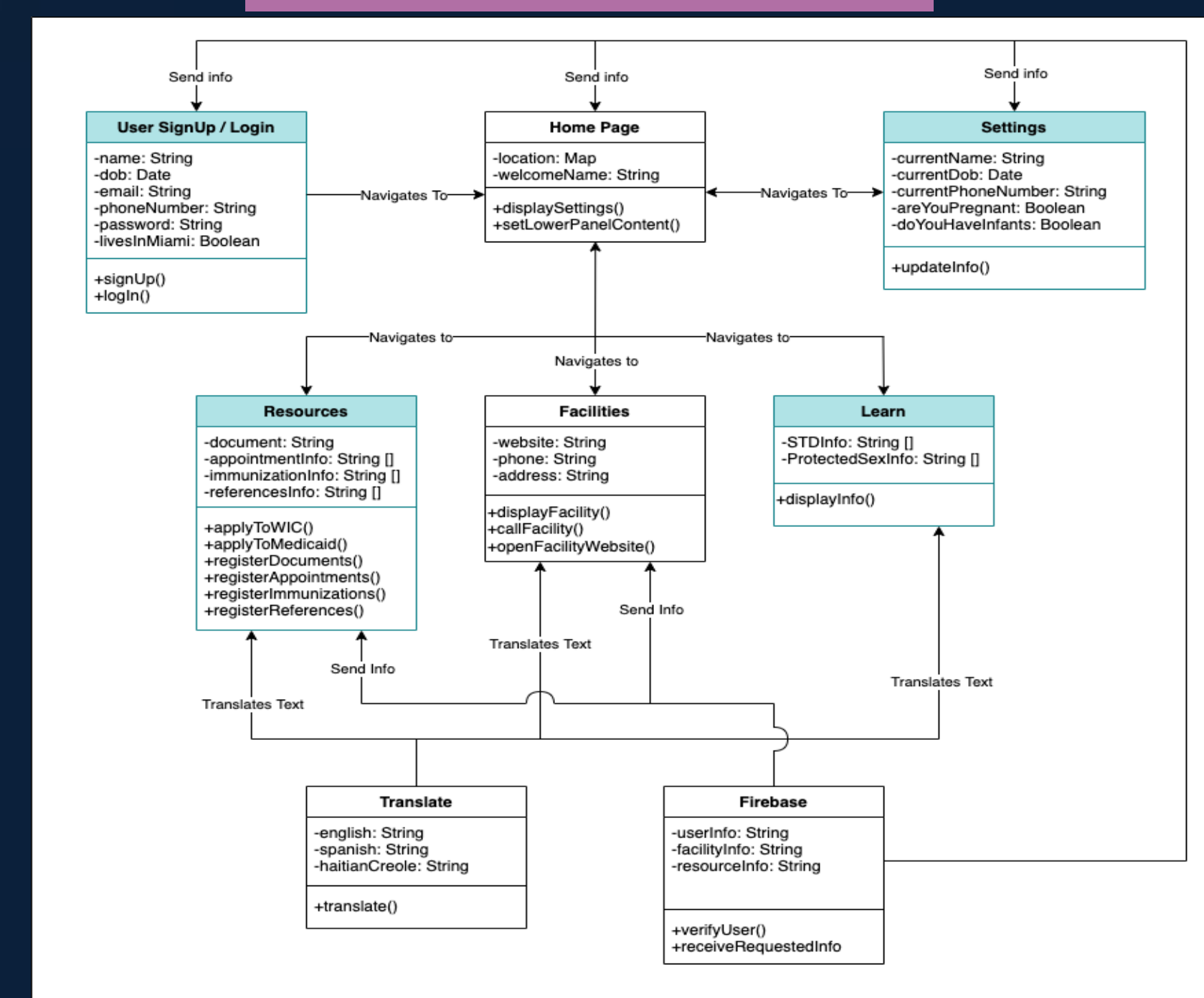
REQUIREMENTS

Our requirements were mostly maintenance on the app and improvements. We were able to upgrade the versions of our dependencies and fix some bugs that have been plaguing the users. We made changes that allow for ease of use and help with location services even when the user does not allow access directly. We require the app to be as easy to use and bug-free as possible for our users.

SYSTEM DESIGN



OBJECT DESIGN



IMPLEMENTATION



VERIFICATION

All testing and verification is done by each developer during the development and peer review process. We test locally by pulling the branch to be verified and running it with the expo cli tool. Once it's run with the expo cli tool, you can open it locally on your phone with the expo app. This allows you to do feature testing and regression testing with your own account to ensure that no issues are created and your feature is working correctly.

SUMMARY

Through out this term we have greatly improved the nuMom user experience. We allowed the maps to be used even if the user does not share their location. We improved sign up flow for users by having the buttons be more intuitive in their positioning and giving the default text more contrast so it's easier to read for the users. We also fixed many bugs that impacted the users' ability to take full advantage of our features. Overall many improvements were made and we are happy with the progress nuMom has had.

SCREENSHOTS

