



Keeping Moms & Infants Healthy

Students: Jocelyn Rodriguez, Valrie Jules, Hanane Mbarki, Aqib Shah

Mentors: Jean Hanan & Eduardo Morales

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

Knight Foundation School of Computing and Information Sciences



Problem:

New mothers often struggle with finding resources for their new infants and getting the help that they need to ensure that their infants are properly cared for. Since there are a lack of these resources, or difficulty finding them with such a busy schedule, mothers struggle to encourage a happy, healthy, and successful lifestyle during the early years of their infants lives.

System Design:

The User Interface for this application is designed with mothers in mind. It is immensely user friendly and entails a lot of information that will help the users understand what they are looking for. NuMom uses Firebase database servers to store and save all of its users credentials and personal information. It also ensures that no privacy leaks happen. Overall, the application is developed using HTML, CSS, and Javascript.

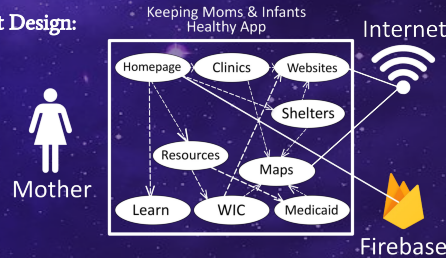
Verification:

Verification of work done is very important to ensure that the app is working as intended. During the course of the Summer 2022 semester, we tested multiple branches from GitHub using Expo. The Expo Go localhost ran on the computer and allowed us to view the app on our smartphones. If the branches that were changed were working, then the pull requests were approved for merging and it allowed the continues development of the app.

Current System:

NuMom, also known as Keeping Moms & Infants Healthy, is an app based for smartphones which is primarily designed for low-income minority mothers who do not normally have access to care. The main purpose of NuMom is to provide early and continuous access to health care information and aid for pre/post natal mothers.

Object Design:



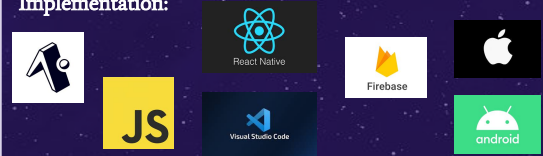
Summary:

NuMom is an app that provides aid for low-income minority mothers and is available in three different languages (English, Spanish, and Creole). The app is updated to the newest versions that are required by the application. Of course, bugs would pop up and were fixed along with minor design elements. The smartphone-based application continues to be functional after many updates which were required by the product owner.

Requirements:

Throughout the Summer 2022 semester, we continued to work on NuMom and ran the app locally using Expo Go and node.js to find issues, fix the issues, and test the app's performance. Collaboration was made possible due to the GitHub page where new issues were posted and workload was distributed evenly. With many issues, there were many pull requests that needed to be approved to make sure the app is still functional after updates.

Implementation:



Screenshots (on ipad):

