

Senior Design Project Fall 2019

Keeping Moms & Infants Healthy

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Problem

- There isn't a centralized mobile application that offers guidance to low income pregnant women.
- There isn't an application with resources in different languages

System Design

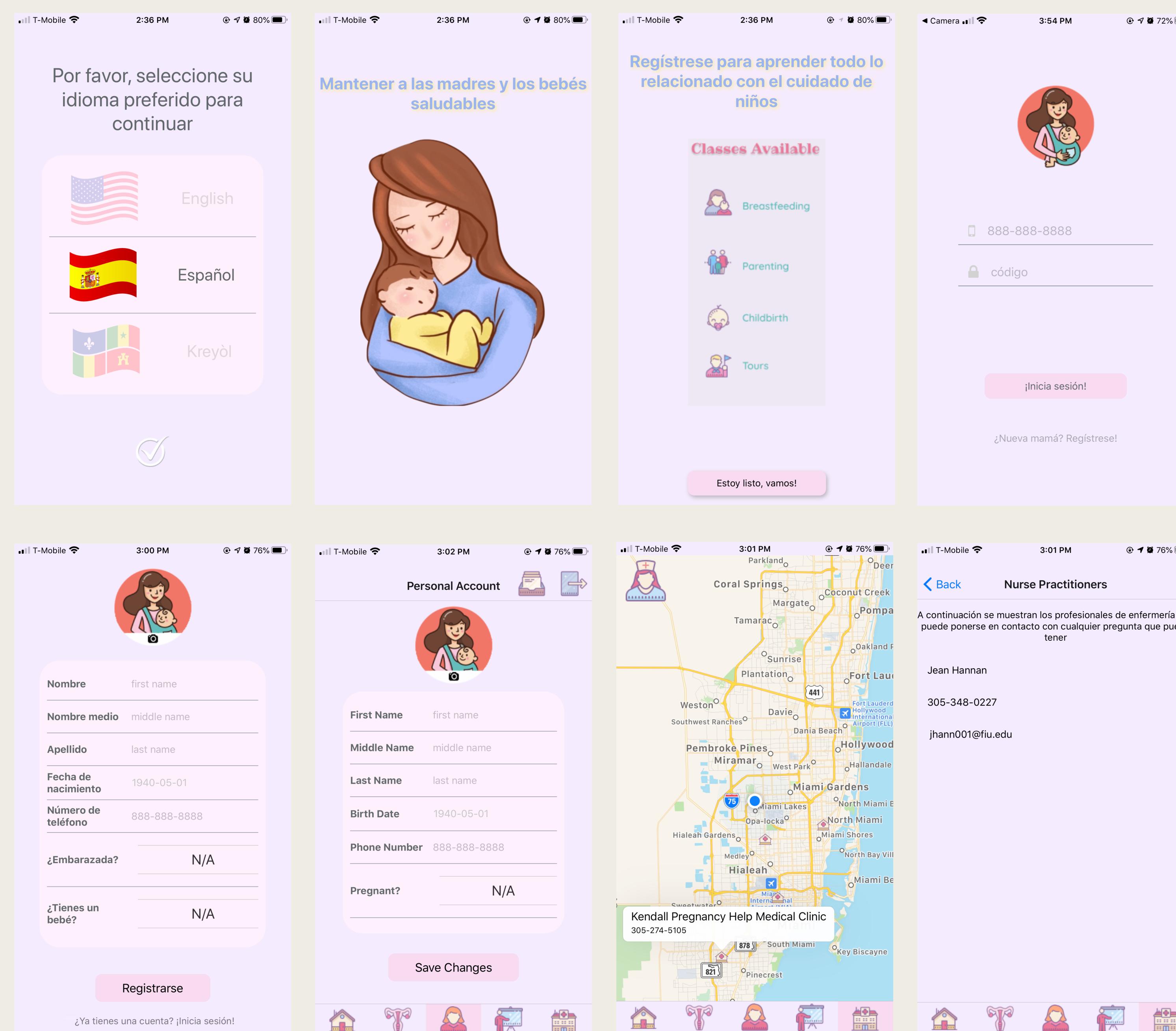
- Intuitive and easy to use mobile application to store important information regarding pregnancy and parenthood classes.
- Application that collects important resources for sexual education
- Application that allows the use of different languages

Requirements

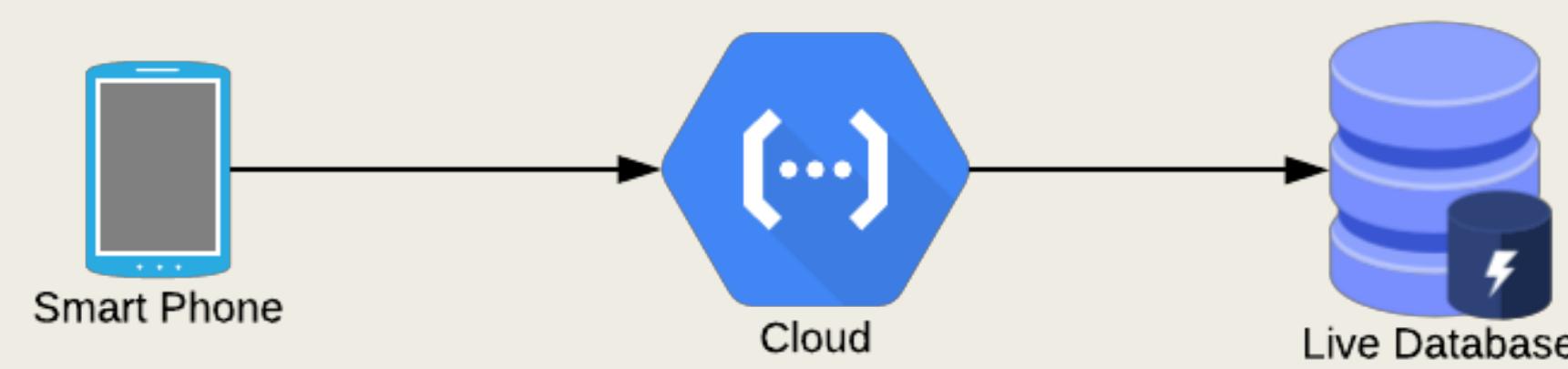
The system should allow the user to:

- Create an account with their personal information
- Take a picture of their important documents and keep them in their profile
- See the information in the language of their preference
- See information regarding prenatal and postnatal care
- See information regarding sexual education
- See information regarding to parental classes

Screen Shots



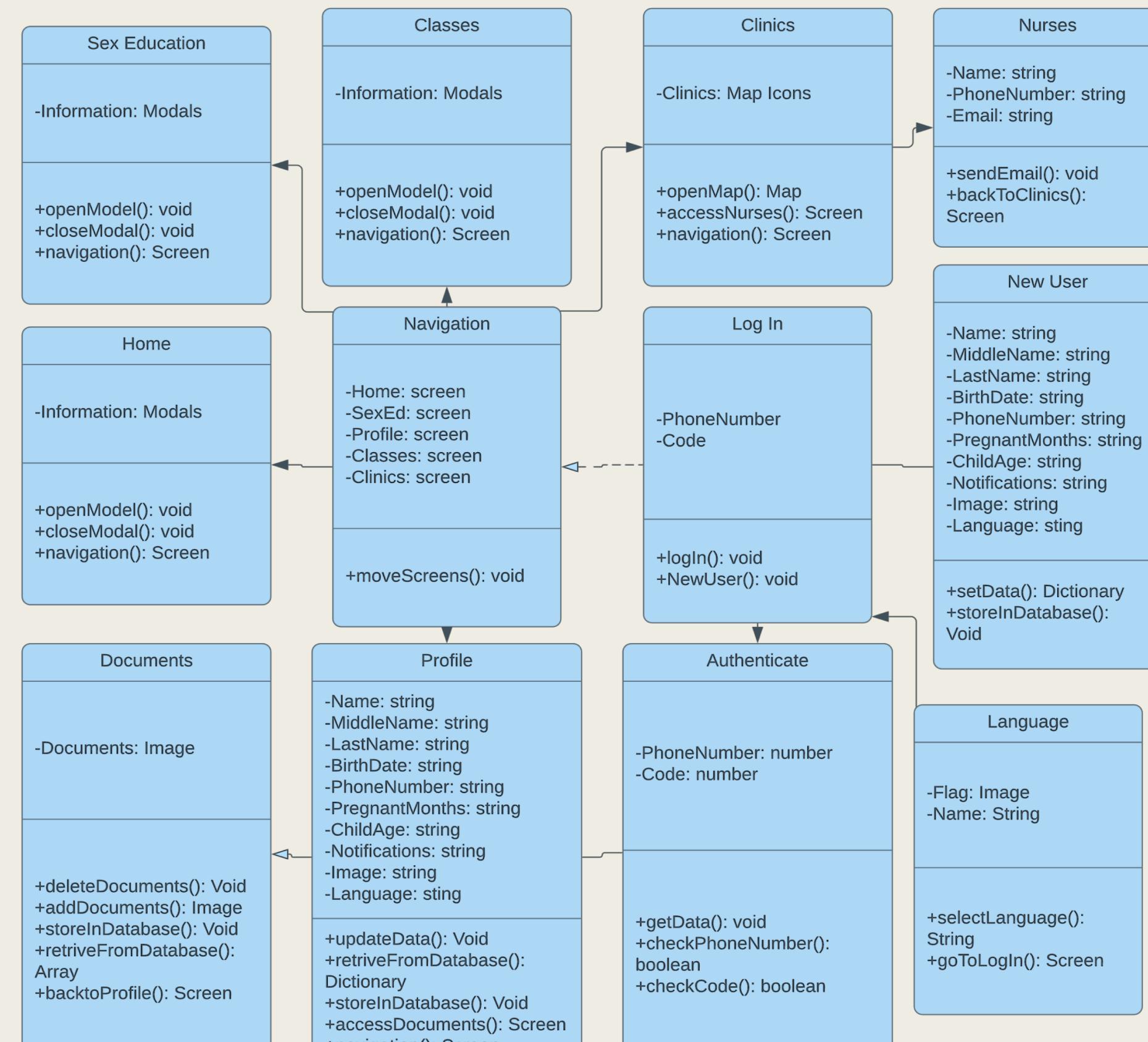
Architecture Diagram



Verification

| | |
|------------------|--|
| Test Case ID | Create user |
| Purpose | Validate the user creation process |
| Preconditions | User has a valid phone number |
| Expected results | User can create a personal account and can log in to the app with the account created. |

Class Diagram



References

All the information displayed in the app was provided to us by our mentor.
The links are from the Center for Disease Control and Prevention website <https://www.cdc.gov/>

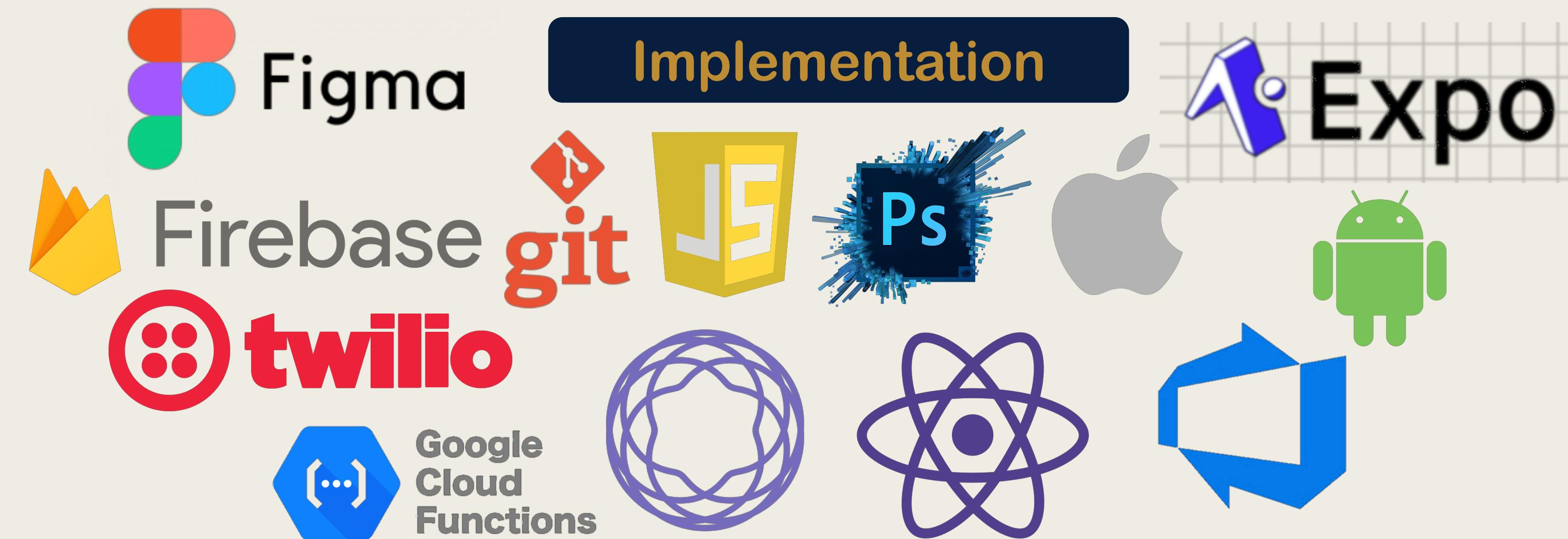
Summary

The Keeping Moms & Infants Healthy (KMIH) Version 1.0 now allows low income moms to create an account in the application and research information related to their pregnancy and/or babies all in one single place.

- Since the data is centralized in one place is now easier for the women to have access to this information
- Further iterations of this application will have functionalities such as integrated messaging system for moms and nurse practitioners, data accessibility without internet connection and facilities for medical appointments creation.

Acknowledgement

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Sequence Diagram

