

Problem

Lack of a smartphone-based maternal/infant healthcare application in 3 languages (English, Spanish & Creole), designed for low-income minority mothers. An APP developed to provide early and continued access to health care for prenatal and postnatal mothers.

Requirements

- English, Spanish, Creole language support
- Medical Information available
- Prenatal and Postnatal care information
- Local programs available
- Sex Education Information
- Local clinics and Nurse Practitioners to contact
- Profiles with user information and uploaded photos

Implementation



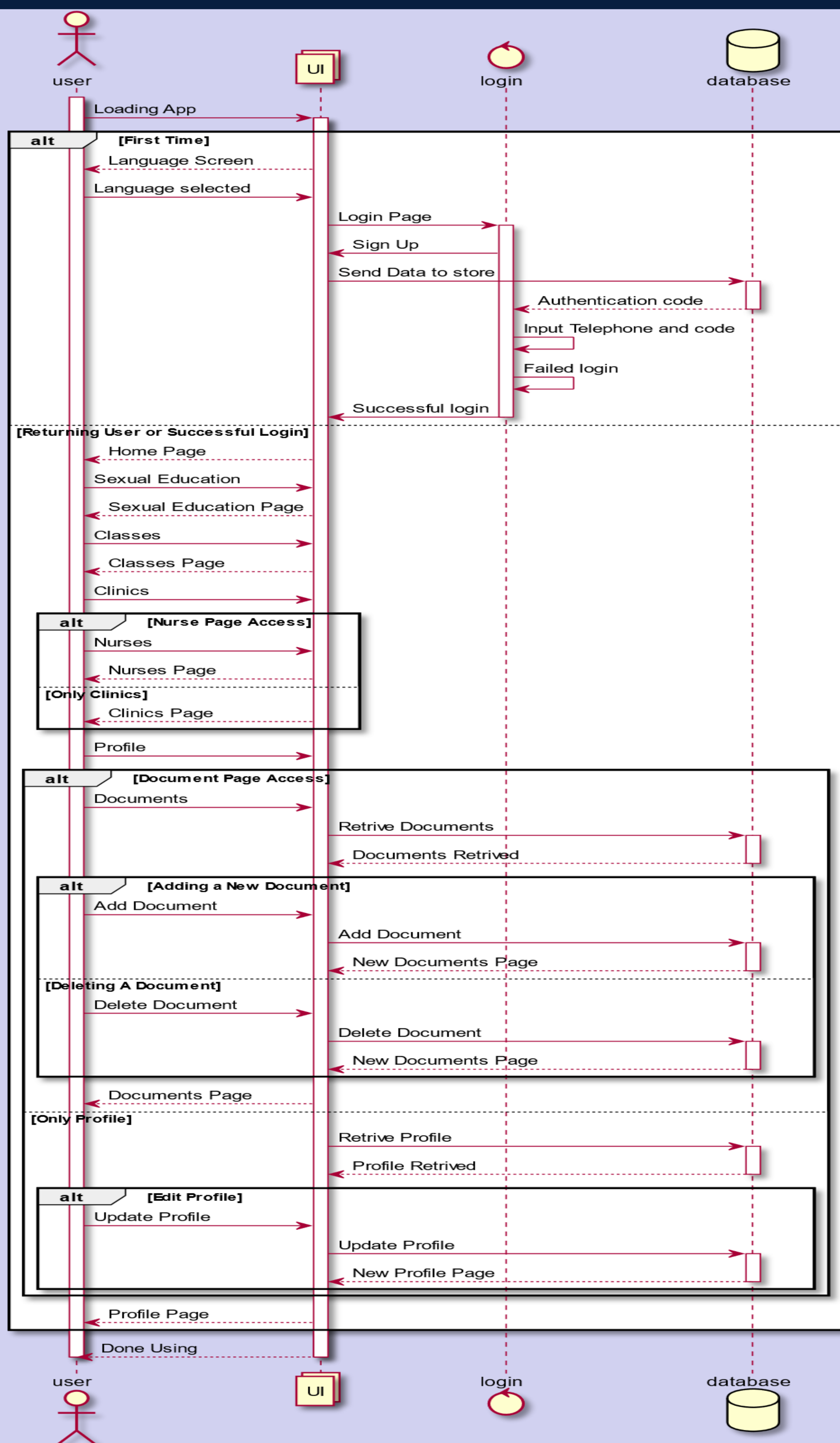
Verification

1. Test Case: Creating User
2. Purpose: Authenticate profile and load content.
3. Conditions: Account must exist and retrieve correct data.
4. Input: Valid phone number and special code for first time log in.
5. Results: The user was taken to landing page where all their information can be explored and edited inside profile.

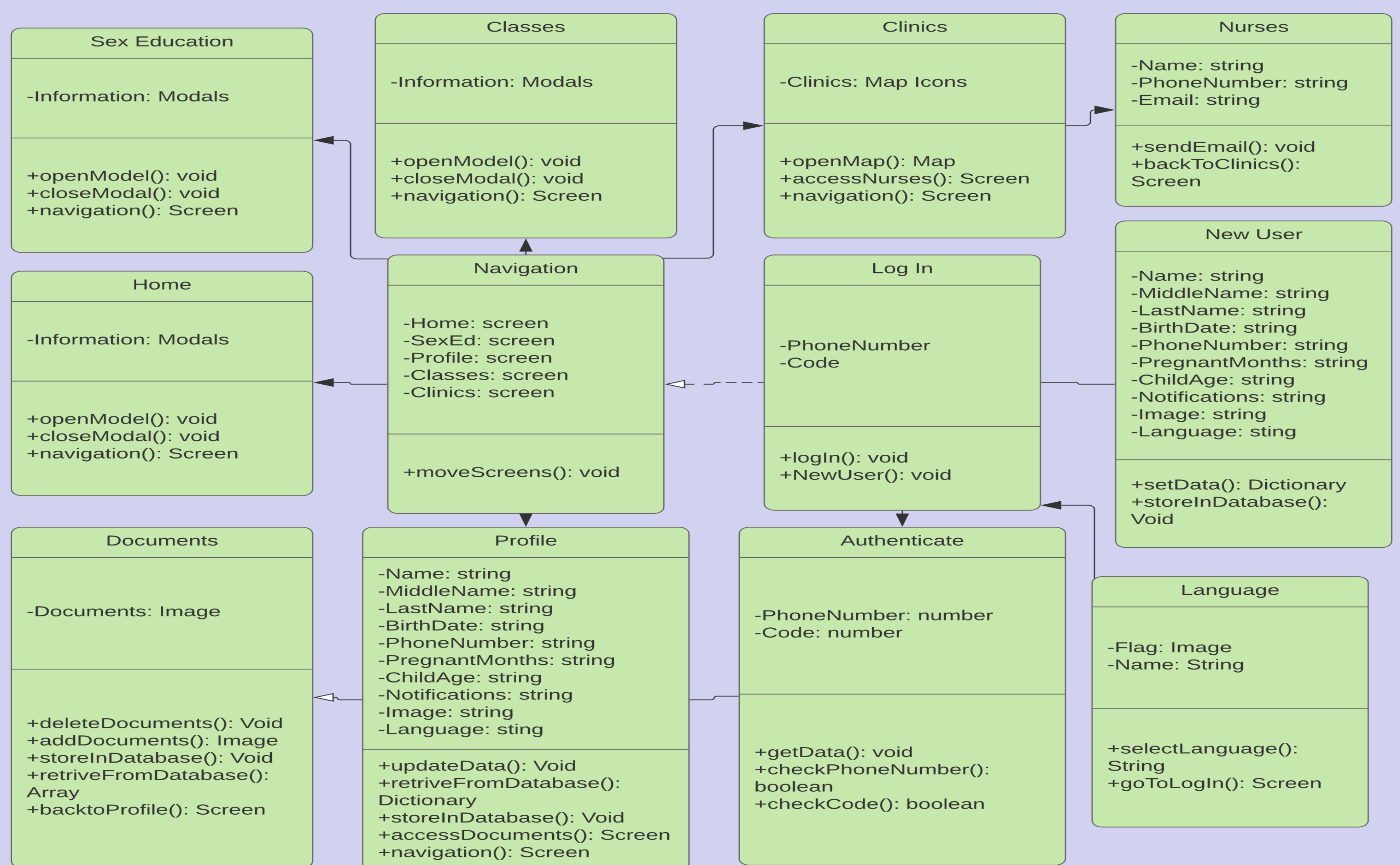
References and Future

Information available in app was provided by the product owner.
Sexual education was linked from the CDC main site: www.cdc.gov
In the future user can create a nurse practitioner signup option. In the future user can access phone drive to upload documents not just from photos.

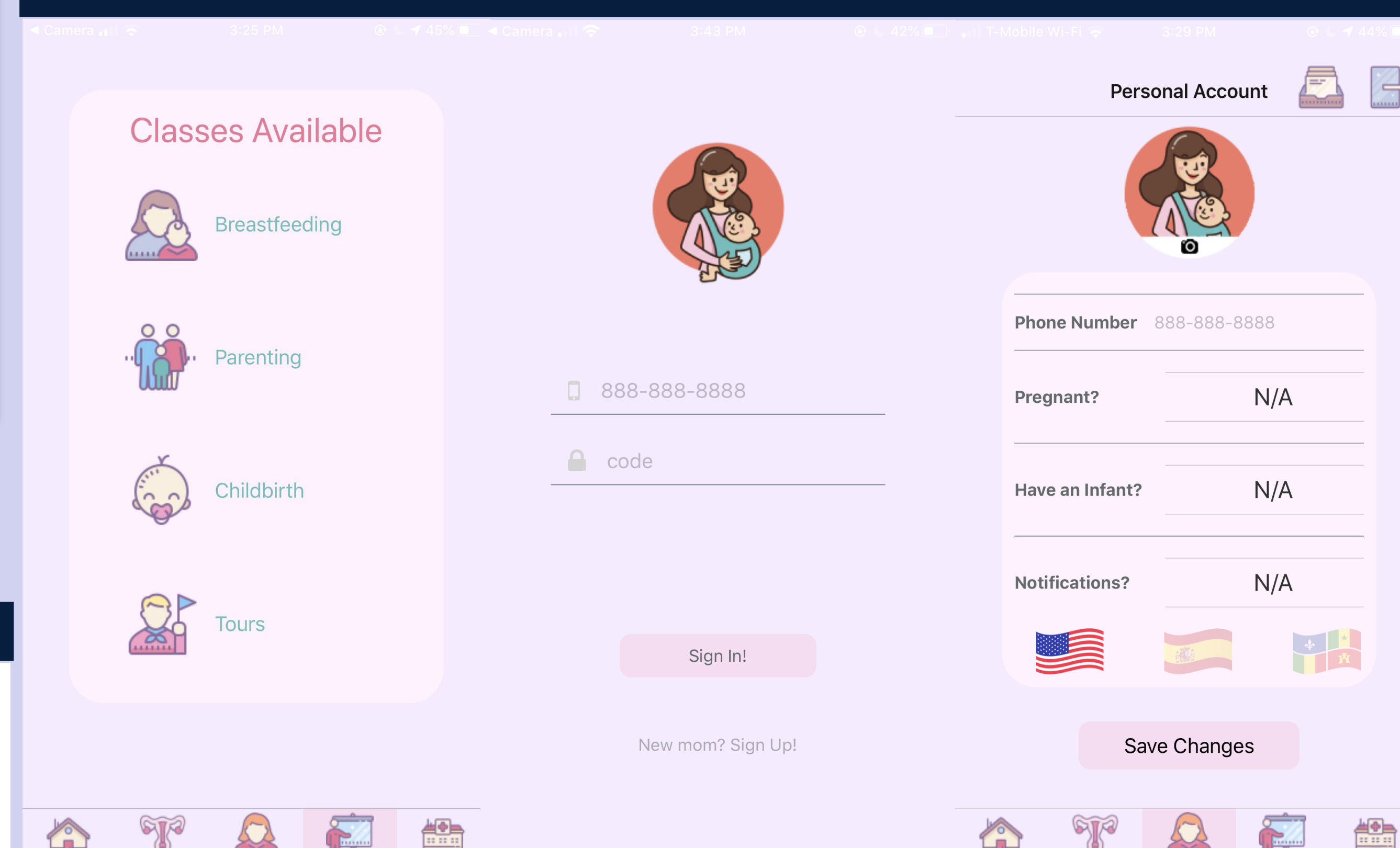
Sequence Diagram



Class Diagram



Screenshots

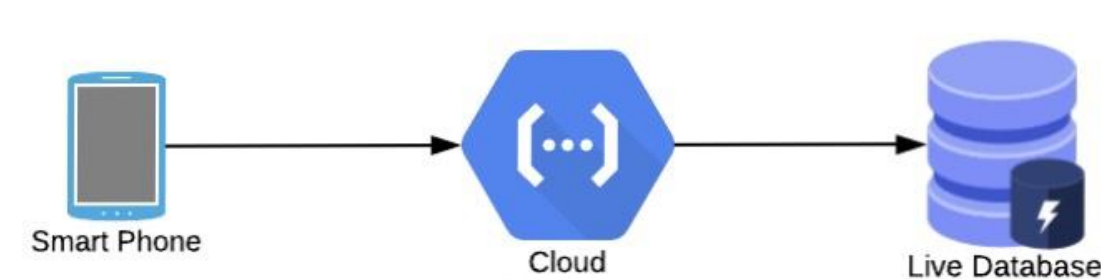


Summary

The creation of this app will help low income mothers find more information for their health, child, and pregnancy. They will find more language support to understand the application and have a safe place to learn about sexual education. Mothers will be able to find local programs for before and after birth with notifications to remind them of important information.

These features will aid the user be up to date and informed on delivering a healthy baby while staying safe themselves.

Architecture Diagram



Acknowledgements

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