

## School of Computing & Information Sciences Senior Project, Fall 2019

**Keeping Moms & Infants Healthy** 

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#### 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

- 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.



Information available in app was provided by the product owner.

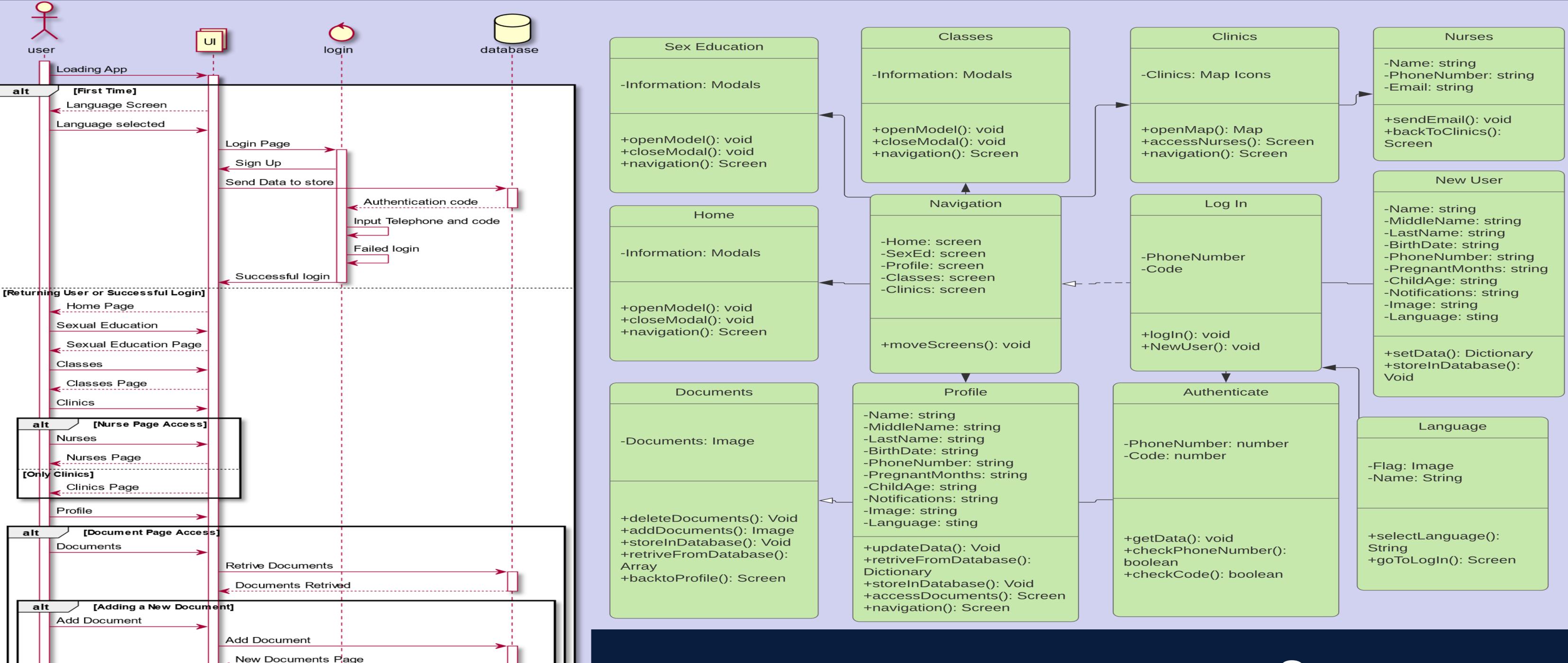
Sexual education was linked from the CDC main site: <a href="www.cdc.gov">www.cdc.gov</a>

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

code

Sign In!

New mom? Sign Up!

### Summary

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Have an Infant

Notifications?

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

Delete Document

Retrive Profile

Update Profile

Profile Retrived

New Profile Page

New Documents Page

[Deleting A Document]

[Only Profile]

Delete Document

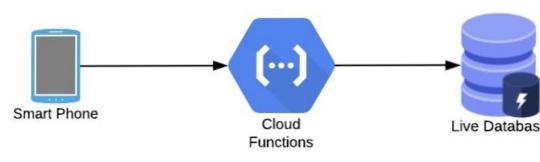
Documents Page

[Edit Profile]

Update Profile

Profile Page

Done Using



Acknowledgements

Classes Available

database

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