Special Instructions

Architecture

Patient Portal (iOS Mobile Application)

Mothers can:

1. Record their breastfeeding process
2. View their breastfeeding history logs
3. Answer the Questionnaires

Lactation Service Portal (Web Application)

Healthcare services can:

1. View all the referrals
2. Accept or decline the referrals
3. Check if the referred patient has completed his/her visits

Physician Portal (Web application)

Physicians can:

1. Briefly review mother's information such as date of birth, etc.
2. Review all the breastfeeding reports and questionnaire results that generated by mothers via mobile app
3. Pull out filtered lactation counselling service
4. Conduct lactation healthcare service referral

Build Instructions

1) Install GitHub Desktop (https://desktop.github.com)
-> Skip setup
-> Access(Pysician Portal & Lactation Service Portal):
https://github.com/chongwug/BreastFeedingSupportProject
-> Access(Patient Portal iOS App): https://github.com/chongwug/BFS-IOS
-> Press the save to computer button (left of the "Download ZIP" button) -> Launch App
-> Set the local location of the repository
-> Press Sync (top right)

Lactation Portal (Web Application)

Install PHP. (Should be pre installed in MacOS)

Patient Portal (iOS Mobile Application)

Install Xcode

Physician_Portal (SMART on FHIR Non-clinical Program Referral Portal)

The files in the "Physician_Portal" folder need to be hosted on an internet accessible website (we use https://www.000webhost.com/ for free hosting) and registered as an app within the HSPC sandbox. Upon registration, a client ID will be provided and can be configured in the client's launch.html file (as per the configuration instructions listed below). Once registered with the sandbox, launch scenarios can be built to launch the client from configurable patient contexts.

Run Instructions

Lactation Service Portal (Web Application)

1. Open terminal and go to the Lactation_Service_Portal folder.
2. Run : php -S localhost:8080
3. Client UI accessible from: http://localhost:8080/status.html

Patient Portal (iOS Mobile Application)

1. Open **BreastFeedingSupport.xcworkspace** by Xcode
2. Change iOS simulator to "iphone 6s or iphone 7" at the upper left corner of Xcode window
3. Click "Run"

Physician_Portal (SMART on FHIR Non-clinical Program Referral Portal)

A preconfigured client and a demo launch scenarios called "physician portal" have been prepared in the FHIRPit sandbox. The sandbox has been pre-loaded with the test data provided in the "Research" directory of this repository.

To use the preconfigured launch scenarios, log into HSPC:

https://sandbox.hspconsortium.org

Select the "FHIRPit" sandbox, select one of the available launch scenarios, and press the "Launch" button on the bottom right of the page. FHIRPit sandbox access can be requested via email to cqian48@gatech.edu if necessary. Also, you are encouraged to try other fhir servers.

Configuration

Referral Server

FHIR server connection can be set as a command-line parameter as follows:

`--fhir.server=https://secure-api.hspconsortium.org/FHIRPit/open`

Defaults to the demo sandbox specified above.

Client (SMART on FHIR Non-clinical Program Referral Portal)

Registered client ID can be set in launch.html:

`client_id: "6fa01d4c-4b85-4ad8-85ea-fe0d0edf94d1"`