# iHealth Birth Certificate App User Manual

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#### Introduction

The collection and submission of birth certificate information to state vital statistics agencies is currently the responsibility of birth certificate clerks, typically staff in medical records departments of hospitals. For each birth occurring in a hospital, birth clerks are required to abstract clinical information from the records of both the mother and the newborn. This information is hand-written onto a facility worksheet. A second worksheet, the mother's worksheet, is completed by the mother and father, if applicable, and contains demographic information about the parents and the desired name of the newborn child. Both worksheets are entered into a web-based form called an electronic birth registration system (EBRS) and submitted to the state health department birth certificate registry.

## **System Requirements**

• Operating Environment: IE, Safari, Chrome or Firefox.

CPU: 1.2 GHz and higherRAM: 1.0 GB and larger

Internet access through cellular or WLAN is available when necessary.

## Set up:

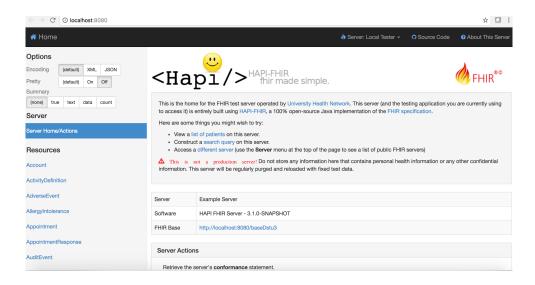
## 1. Connect with the FHIR server

Run Docker From command line, type:

docker run -d -p 8080:8080 --name=my-fhir-server djohnson325/hapi-fhir-jpaserver:stu3

Then point your web browser to: http://localhost:8080/

You should see the following screen



2 Up load newborn's information to the server

We use tag-uploader to upload newborn's data to the FHIR server (The details can be seen at https://github.com/smart-on-fhir/tag-uploader)

In command line/terminal type: git clone <a href="https://github.com/smart-on-fhir/tag-uploader.git">https://github.com/smart-on-fhir/tag-uploader.git</a> cd tag-uploader npm i

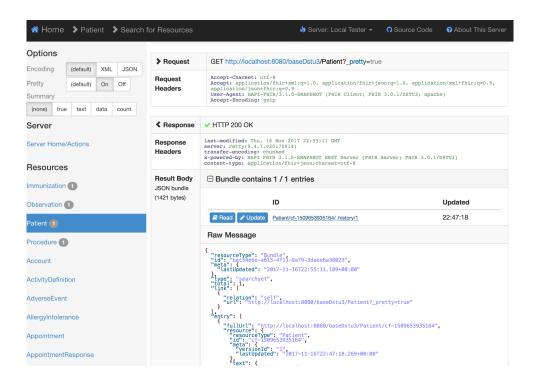
Create a new folder called STU3, put BabyBoy iHealth.json to the STU3 folder From command line/terminal, type

node . -d ../path/to/BabyBoy iHealth.json -S http://localhost:8080/baseDstu3

You should able to see the file get processed as shown in the following image

0% Processing file 100% Indiana Indian

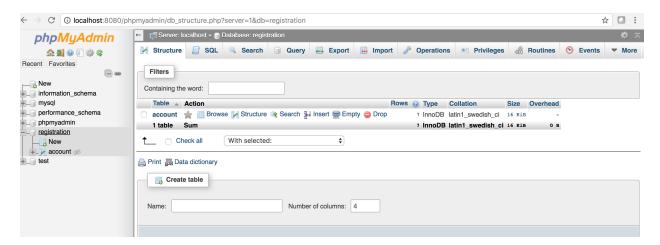
In the server, click patient, you should see the patient (newborn) data there. The id is cf-1509653935164



## 3 Run the app.

Local server for the web application can be set up using Xampp Apache (port need to configured at 8080).

Database can also be setup using Xampp Mysql, the name of the database need to be "registration", the table can be set up based on the account.sql. As shown in the image:

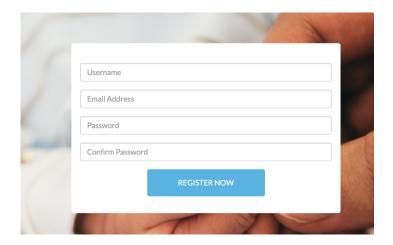


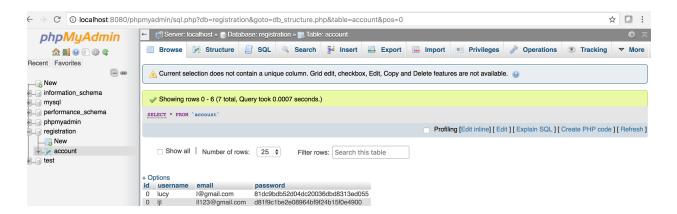
Download the project folder and put it at xampp/hotdocs/

Access the web application at <a href="http://localhost:8080/..../index.php">http://localhost:8080/..../index.php</a> (point to the location of index.php file.)

#### Register

- 1. Go to the website, click the "Get Started!" button
- 2. Click "Register" button on the upper right.
- 3. Input "Username", "Email Address", "Password" and "Confirm Password" in the blanks for the new register. The new register cannot be duplicated with old ones. The encoded phrases should be encoded with a simple substitute cipher. The phrases are limited to 512 characters.
- 4. Click "REGISTER NOW" button to create the new register.
- 5. You should able to see database get updated





## Login

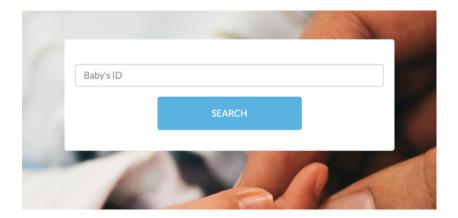
- 1. Go to the website, click the "Get Started!" button
- 2. Select the "Login" button on the upper right.
- 3. Input "Username", "Password".
- 4. Click "LOGIN IN"

## Logout

1. Click the "Logout" button in the menu.

## Search

- 1. Login to the website.
- 2. Input a valid patient information (cf-1509653935164).
- 3. Click the "Search" button.
- 4. You would see the details of patient information.





## **TECHNICAL SUPPORT**

Technical support: iHealth Team