MULTI-SITE-EMR-SURVEILLANCE

MULTI-SITE EMR SURVEILLANCE AND CLINICAL DECISION SUPPORT FOR HIV PREEXPOSURE PROPHYLAXIS (PrEP).

Installation

- Prerequisites
    - Docker
    - Maven
    - JDK-1.8

Usage

To run application from **Command-Line Interface** (CLI) via `docker-compose` :

- Build the application through your CLI: `docker-compose up`
- Use `rebuild.sh` to stop, rebuild and start containers.
- WARNING: Use `clean.sh` to kill and remove containers and images.

To run **Website** separately via **Dockerfile**

- `cd` in website directory
- To build image for website run: `docker build -t <image-name> .`
    - Example: `docker build -t website .`

- To run docker image on container: `docker run -p 80:80 <image-id> or <image-name>`
    - `-p` port argument can be specified any
    - `-d` argument can be used with detached mode
    - Example: `docker run -p 80:80 website`
- After successful build & deploy, website can be accessed on `http://localhost:80/`

To start **PrEP Web service** separately via **Dockerfile**

- `cd` in service folder
- To build image for website run: `docker build -t <image-name> .`
    - Example: `docker build -t service .`
- To run docker image on container: `docker run -p 8080:8080 <image-id> or <image-name>`
    - `-p` port argument can be specified any
    - `-d` argument can be used with detached mode
    - Example: `docker run -p 8080:8080 service`
- After successful build & deploy, website can be accessed on `http://localhost:8080/api/<endpoint>`

To validate successful build with maven: `mvn clean verify`

API

- Example local endpoints:
    - Patients for Surveillance

http://localhost:8080/api/getPatientDetailsList

- Qualified patient for PrEP

  http://localhost:8080/api/getPatientById?id=1e19bb7a-d990-4924-9fae-be84f19c53c1

- Unqualified patient for PrEP

  http://localhost:8080/api/getPatientById?id=30d44805-5e26-4f59-9cac-6ce7bd9b105

- Example production endpoints:
  - Patients for Surveillance https://cs6440-s18-prj12.apps.hdap.gatech.edu/api/getPatientDetailsList
  - Qualified patient for PrEP https://cs6440-s18-prj12.apps.hdap.gatech.edu/api/getPatientById?id=1e19bb7a-d990-4924-9fae-be84f19c53c1
  - Unqualified patient for PrEP https://cs6440-s18-prj12.apps.hdap.gatech.edu/api/getPatientById?id=30d44805-5e26-4f59-9cac-6ce7bd9b105

Contribution

RECOMMENDED WAY. NOT REQUIRED: Please contribute using Github Flow. Create a fork, add commits, and open a pull request.