Special Instructions FHIR Fighters

FHIR Interface To Link To Death Data

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GitHub link:
https://github.gatech.edu/gt-hit-fall2016/FHIR-Interface-to-Link-Death-Data

Software Installation

Following prerequisites must be installed before running an application:

- **Python:**
  To Install Python in Windows go to https://www.python.org/downloads/ to download and install python. To Install Python in MAC OS go to http://docs.python-guide.org/en/latest/starting/install/osx/ to download and install python.

- **Psycopg2:**
  Psycopg2 is a driver for interacting with PostgreSQL from python. Installation instructions for psycopg2 can be found at http://initd.org/psycopg/docs/install.html. One of the easier ways to install psycopg2 is with the help of "python package manager" by executing following command in the command prompt:

  ```
  pip install psycopg2
  ```

- **FHIRClient:**
  FHIRClient is a Python client for connecting to FHIR Server. It can be installed using "python package manager" by executing following command in the terminal:

  ```
  pip install fhirclient
  ```

- **Oauth2client:**
  Oauth2client is a client library for interacting with OAuth2-protected resources. The detailed instructions for installing oauth2client can be obtained from https://oauth2client.readthedocs.io/en/latest/ . It can be installed using "python package manager" by executing following command in the command prompt:

  ```
  pip install --upgrade oauth2client
  ```

- **Requests:**
  Requests is a HTTP library for python. It can be installed using "python package manager" by executing following command in the command prompt:

  ```
  pip install requests
  ```

PostgreSQL Database

We have set up local instance of PostgreSQL database server for the purpose of testing our application. This server is intended to mimic the purpose of DOHMPI PostgreSQL server which contains provider death information. The network constants for accessing this database can be found in "networkConstants.py". They are as follows:

```
dbhost = "fhir.ehoth.net"
dbname = "fhirfighters"
dbuser = "fhirfighters"
dbpassword = "GTcs6440!"
dbtable = "providerdeathsampledata"
```

HAPI-FHIR

We are using a public test server operating at http://fhirtest.uhn.ca. The network constants for accessing this server can be found in "networkConstants.py". They are as follows:

```
fhirurl = "http://fhirtest.uhn.ca"     # include http or https
fhirpath = "baseDstu2/Patient"   # don't include leading or final /
fhirauthport = "8080"
fhiraccessport = "80"
fhiruser = "fhirfighters"
fhirpassword = "GTcs6440!"
fhirclient_id = "Fhirfighters"
fhirclient_secret=
"Lj5LYHCU_Yd6icnICmJYX4I5SP3G_3gvUtnLwmO_5bLW4qr7WsU4nlFm9iZPjlHdU_2Ipbg0xKtT
Q"
```