Special Instructions

CS6440 Fall 2018 – FHIR Buffer Overflow

Utilizing FHIR Bulk Data API for Real-Time Public Health Needs Assessments

Project 34

Team Name: FHIR Buffer Overflow

TA Mentor: Taylor Startin

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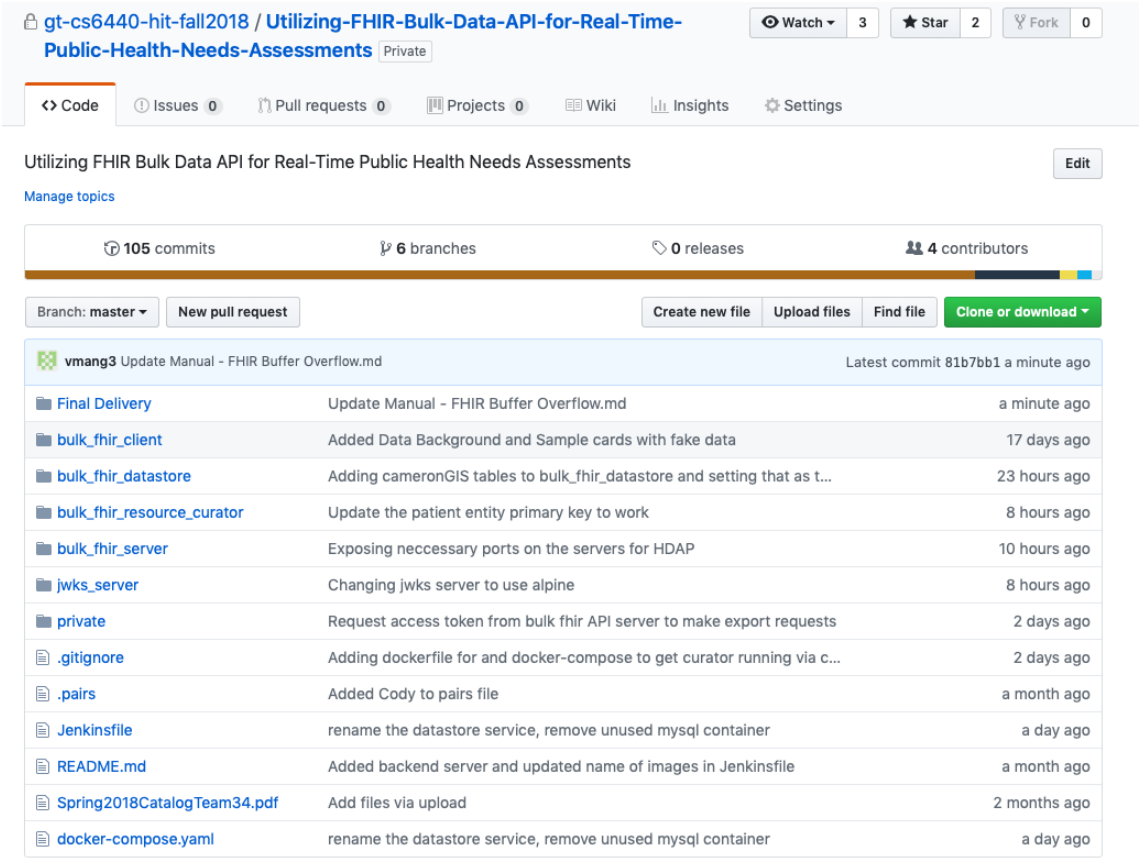
[Github Repository Link:] https://github.gatech.edu/gt-cs6440-hit-fall2018/Utilizing-FHIR-Bulk-Data-API-for-Real-Time-Public-Health-Needs-Assessments



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Technical Requirements

Install docker

On MacOS, `brew cask install docker`

Install docker-compose

How to run the Application

Step 1: Run docker

On MacOS, click on the Docker app with the whale icon.

Step 2: Clone the repository

```
git clone https://github.gatech.edu/gt-cs6440-hit-fall2018/Utilizing-FHIR-Bulk-Data-API-for-Real-Time-Public-Health-Needs-Assessments.git
```

Step 3: Change into the server directory

```
cd bulk_fhir_server
```

Step 4: Run mvnw

```
./mvnw package
```

Step 5: Change into the curator directory

```
cd ../bulk_fhir_resource_curator/
```

Step 6: Build gradle

```
./gradlew build
```

Step 7: Go back to root directory

```
cd ..
```

Step 8: Start/build docker

```
docker-compose up -d --build
```

Step 9: View results

Launch https://cs6440-f18-prj20.apps.hdap.gatech.edu/ on your browser.

(Note: Since we use docker for everything (including the database), every time we push, it rebuilds the data. It takes around 2 hours or so to get the curator to get all the source systems data normalized.)