Getting Started with ADNI-DB

Basic Installation from GitHub

Choose a directory where you will do all this. In my case it is as you see below:

```
cd /Users/pauly/tk/vergnet_db
git clone https://github.com/pyushkevich/vergnet_db.git
export ADNIDB_ROOT=/Users/pauly/tk/vergnet_db/vergnet_db
cd $ADNIDB_ROOT
```

I will use **ADNIDB_ROOT** below as much as possible

Environment

You need a Python 3 environment. Ideally Miniconda 3

To resolve requirements

```
pip install -r requirements.txt
```

Copy file **env.sh.template** to **env.sh** and edit it with your root directory, userid/ password, etc.

Whenever you want to run the server, first call

```
source env.sh
```

Database Setup

```
source env.sh
mkdir -p $ADNIDB_ROOT/db

docker run \
    --name adni_neo4j \
    -p7474:7474 -p7687:7687 \
    -d \
    -v $ADNIDB_ROOT/instance/db/data:/data \
    -v $ADNIDB_ROOT/instance/db/logs:/logs \
```

```
    -v $ADNIDB_ROOT/instance/db/import:/var/lib/neo4j/
import \
    --env NEO4J_AUTH=neo4j/adni \
    neo4j:3.5
```

Login to http://localhost:7474/browser/ and see the database browser. You can use it later to test queries

OAuth Credential

Download secret for project Adni-DB and save as $ADNIDB_ROOT/instance/secrets/my_secret.json

This is not necessary for running locally.

Running

To populate or update the database

```
source env.sh
python auto-dl.py
```

To run the service

```
source env.sh
python api.py
```

Then navigate to http://localhost:8080