Change to “jonathan” branch inside the 2020SpringTeam32 directory

Pull latest changes from remote Github repo

Do the following installations:

sudo yum -y install python3-devel

sudo yum -y install postgresql-libs

sudo yum -y install postgresql-devel

Change to the root directory of our repo ( the 2020SpringTeam32 directory).

Create virtual environment and install needed dependencies:

python -m venv venv

source venv/bin/activate

Add the pgsql bin to your path:

export PATH=/usr/local/pgsql/bin:$PATH

pip install -r requirements.txt

pip install psycopg2-binary (need to add this to the requirements.txt file)

Do the following to create new user and DB in postgres for testing:

sudo -i -u postgres /usr/local/pgsql/bin/psql

CREATE USER john with password ‘password’;

CREATE database johndb;

GRANT ALL privileges on database johndb to john;

Set environment variables to connect to postgres DB:

export FLASK\_CONFIG=development

export FLASK\_APP=course\_manager.py

export POSTGRES\_URL=127.0.0.1

export POSTGRES\_USER=john

export POSTGRES\_PW=password

export POSTGRES\_DB=johndb

export LC\_ALL=en\_US.UTF-8

export LD\_LIBRARY\_PATH=/usr/local/pgsql/lib:/usr/local/lib64

Start course manager application:

cd 2020SpringTeam32/cops\_platform/services/course\_manager/

flask run

Installations needed to use host command with psql (currently SELinux policy violation):

sudo yum -y install netlabel\_tools

sudo netlabelctl unlbl add default address:127.0.0.1 label:unconfined\_u:unconfined\_r:unconfined\_t:s0

netlabelctl unlbl list

To generate data for Postgres DB database (currently only works with SELinux disabled):

export PYTHONPATH=/home/maintuser/2020SpringTeam32

cd 2020SpringTeam32/cops\_platform/services/course\_manager/tests/db/

Then use following command:

python generate\_db.py

Instructions on how to set Postgres config files to accept connections:

<https://gist.github.com/MauricioMoraes/87d76577babd4e084cba70f63c04b07d>

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