\*Setup

sudo apt-get update

sudo apt-get install virtualbox-guest-dkms -y

\*Enable repositories

sudo add-apt-repository "deb http://archive.ubuntu.com/ubuntu $(lsb\_release -sc) main universe restricted multiverse"

sudo apt-get build-dep apache2

sudo apt-get install libxml2-dev

sudo apt-get install autoconf

\*Download and install MySQL

sudo apt-get install mysql-server

pass: sqliscool

\*Create database

\*login to MySql → mysql -u root -p

CREATE DATABASE GPA\_Tracker;

\*Create users

CREATE USER 'sec\_user'@'localhost' IDENTIFIED BY 'Uzg82t=u%#bNgPJw';

GRANT CREATE, DROP, DELETE, INSERT, SELECT, UPDATE ON GPA\_Tracker.\* TO 'sec\_user'@'localhost';

CREATE USER 'admin'@'localhost' IDENTIFIED BY 'Fiugpatf2016';

GRANT ALL ON GPA\_Tracker.\* TO 'admin'@'localhost';

\* Install git

sudo apt-get install git

\* Setup git

git config --global user.name "Johann Henao"

git config --global user.email "[jhena005@fiu.edu](mailto:jhena005@fiu.edu)"

\* Clone github repository

\* Create directory

mkdir /home/sproject

cd /home/sproject

git clone latest Project url

cd to latest Project path

git checkout development

\* Import database - located in /home/sproject/GPA2/Code/Database

the unzip password is: sqliscool

to import the db:

mysql -u root -p GPA\_Tracker < DB.sql

Download to user’s home folder and Install apache

sudo apt-get update

sudo apt-get install libpcre3 libpcre3-dev

cd /home/userfolder/Downloads

wget http://archive.apache.org/dist/httpd/httpd-2.4.18.tar.gz

unzip: $ tar -xzvf httpd-2.4.18.tar.gz

\* Install apr, apr-util follow instructions at: <http://httpd.apache.org/docs/2.4/install.html>

cd into directory

sudo ./configure

sudo make

sudo make install

\* From /home/userfolder/Downloads Download pthread library

wget http://pecl.php.net/get/pthreads-2.0.10.tgz

unzip: $ tar -xzvf pthreads-2.0.10.tgz

\* From /home/userfolder/Downloads Download and install php

wget -O php-5.6.18.tar.gz http://php.net/get/php-5.6.18.tar.gz/from/this/mirror

unzip: $ tar -xzvf php-5.6.18.tar.gz

mv pthreads-2.0.10 php-5.6.18/ext/pthreads (from downloads folder)

cd into php-5.6.18

rm -rf aclocal.m4

rm -rf autom4te.cache/

./buildconf --force

./configure --help | grep pthreads

Ensure it shows enable-pthreads

./configure --with-apxs2=/usr/local/apache2/bin/apxs --with-mysql --with-mysqli --enable-mbstring --enable-soap --enable-maintainer-zts --enable-pthreads --enable-sysvsem --enable-sysvshm --enable-sysvmsg --enable-json

make

sudo make install

Note if you get errors with make then try “make clean” first.

Configure Apache

Edit /usr/local/apache2/conf/httpd.conf

<FilesMatch \.php$>

SetHandler application/x-httpd-php

</FilesMatch>

ServerName localhost

# DocumentRoot: The directory out of which you will serve your

# documents. By default, all requests are taken from this directory, but

# symbolic links and aliases may be used to point to other locations.

DocumentRoot "/home/sproject/GPA2/Code/WebSite/fiugpatf"

<Directory "/home/sproject/GPA2/Code/WebSite/fiugpatf">

Options Indexes FollowSymLinks MultiViews

AllowOverride None

Require all granted

</Directory>

<DirectoryMatch "/home/sproject/GPA2/Code/WebSite/fiugpatf">

php\_admin\_value auto\_prepend\_file "/home/sproject/GPA2/Code/WebSite/fiugpatf/common\_files/toLog.php"

</DirectoryMatch>

\* Configure php

Copy php.ini-development from php-5.8.18 to /usr/local/lib as php.ini

Edit php.ini

date.timezone = 'America/New\_York'

change: session.cache\_limiter = public

uncomment: session.save\_path = "/tmp"

uncomment: always\_populate\_raw\_post\_data = -1

\* Install Python

sudo apt-get install python-pip python-dev build-essential

sudo pip install --upgrade pip

sudo pip install --upgrade virtualenv

sudo pip install PyPDF2

\* (OPTIONAL) INSTALL PHPMYADMIN …

Download latest version of phpMyAdmin and extract it to /var/www/phpmyadmin

adduser phpmy  
  
passwd phpmy (If password was not set in previous command)

On /var/www/

chown -R phpmy.daemon phpmyadmin/

mkdir config

chmod o+rw config

cp config.sample.inc.php config/config.inc.php

chmod o+w config/config.inc.php

\* Make sure phpmy and daemon users can write to config/config.inc.php

Edit config.inc.php and enter a 32 character string for $cfg as:

$cfg['FIU GPA TRACKER AND FORECASTER12#'] = ''; /\* YOU MUST FILL IN THIS FOR COOKIE AUTH! \*/

apt-get install libbz2-dev

apt-get install libmcrypt-dev

apt-get install zlib1g-dev

From /php-5.6.18 folder:

rm -rf aclocal.m4

rm -rf autom4te.cache/

./buildconf --force

./configure --help | grep pthreads

Ensure it shows enable-pthreads

./configure --with-apxs2=/usr/local/apache2/bin/apxs --with-mysql --with-mysqli --with-bz2 --with-zlib --enable-zip --enable-mbstring --with-mcrypt --enable-soap --enable-maintainer-zts --enable-pthreads --enable-sysvsem --enable-sysvshm --enable-sysvmsg --enable-json

make

make install

Setup access to mysql:

<http://localhost:81/phpmyadmin/setup/index.php>

Click on “new server”

On Authentication tab, select Authentication type ‘signon’

Enter mysql root password

\* END SETUP OF PHPMYADMIN

!!! NEXT -> READ README IN WEBSITE FOLDER !!!