* **Create a folder FoodPanther** somewhere in file System and open a terminal in same folder

**cd FoodPanther**

* **python3 -m pip install virtualenv**

* (ubuntu) **virtualenv -p /usr/bin/python3.6 venv**

(windows) **virtualenv -p** *path/to/python/in/windows* **venv**

**C:\Users\naveen\AppData\Local\Programs\Python\Python36-32**

* To work on the newly created environment, cd to venv and activate the environment to install packages in the environment.
  + **cd venv**
  + (ubuntu)**source bin/activate**

(windows)**Scripts\activate**

-(venv) C:\Users\Lenovo\Desktop\food panther\FoodPanther\venv>

* **which pip** - command to check if pip path(either default or of venv’s)
* **pip install flask**
* **pip install flask\_sqlalchemy**
* **pip install flask\_login**
* **pip install blinker**
* **pip install googlemaps**
* **pip install Flask-SSLify**
* **pip install beautifulsoup4**

**Below are not needed**

* **pip install validate\_email**
* **pip install dnspython3**
* To view stored sqlite database,
  + (Ubuntu) **sudo apt-get install sqlitebrowser**
  + (Windows) need to install sqlite browser
* In future, if we want to use Apache as our server, inbuilt version of apache installed along with OS may not suit our needs, so we are creating latest version of apache in our venv
  + **pip install -v mod\_wsgi-httpd --https://pypi.org/project/mod\_wsgi-httpd/**
* mod\_wsgi module acts as an intermediate gateway between Internet and our web application
  + **pip install mod\_wsgi**



ssh -i "AWS\_Ubuntu.pem" ubuntu@ec2-18-191-122-241.us-east-2.compute.amazonaws.com

sudo vi /etc/apache2/sites-enabled/000-default.conf

ec2-18-191-122-241.us-east-2.compute.amazonaws.com

sudo apachectl restart

sudo vi /var/www/html/FoodPanther/app.wsgi

vi /var/log/apache2/error.log

1. Press gg. It will take to the first line of the file.
2. Then press dG. This will delete from the first line to the last line.

python-home=/var/www/html/fronty/venv

sudo bash -c 'echo > /var/log/apache2/error.log'