**Steps to Upload Code to Production Server:**

1. First, move working server code in to Server Code Clean, so you have a copy if anything breaks.
   * scp -i /Users/Connor/Desktop/UCSC/Fall\ 2017/CMPS\ 115/h0pLyf3.pem -r ubuntu@54.241.142.236:/home/ubuntu/ShopLyfe /Users/Connor/Desktop/Server\ Code\ Clean
2. Next, pull code down from the developer branch:
   * git branch developer
   * git checkout developer
   * git pull origin developer
   * Copy/paste ShopLyfe into Sever Code to Push
3. Then, push to the server with:
   * scp -i /Users/Connor/Desktop/UCSC/Fall\ 2017/CMPS\ 115/h0pLyf3.pem -r /Users/Connor/Desktop/Server\ Code\ to\ Push/ShopLyfe ubuntu@54.241.142.236:/home/ubuntu
4. Then, connect to the server with:
   * ssh -i /Users/Connor/Desktop/UCSC/Fall\ 2017/CMPS\ 115/h0pLyf3.pem ubuntu@54.241.142.236
5. Give permissions with:
   * sudo chown www-data: ShopLyfe
   * sudo chown www-data: db.sqlite3
6. Restart server with:
   * sudo service apache2 restart
7. If this works:
   * nano settings.py
   * set DEBUG = FALSE
   * sudo service apache2 restart
8. If this does not work:
   * sudo python3 manage.py migrate —run-syncdb
   * sudo service apache2 restart
   * go to step 7
9. If that still does not work:

* Delete database in project subdirectory.
* Remove everything from \_\_pycache\_\_ folder in project subdirectory.
* For the application you are trying to fix, go to the folder and clear migrations and \_\_pycache\_\_ directories.
* sudo python3 manage.py makemigrations
* sudo python3 manage.py migrate
* sudo python3 manage.py migrate —run-syncdb
* sudo service apache2 restart
* go to step 7

**Test Settings:**

DEBUG = True

ALLOWED\_HOSTS = ['54.241.142.236', '127.0.0.1’]

Each app must be added to Installed Apps list.

TIME\_ZONE = 'America/Los\_Angeles’

STATIC\_URL = '/static/'

STATIC\_ROOT = '/home/ubuntu/ShopLyfe/static'

LOGIN\_REDIRECT\_URL = ‘home’

\*The only thing that should change is adding 127.0.0.1 to ALLOWED\_HOSTS and changing DEBUG to True.

**Production Settings:**

DEBUG = False

ALLOWED\_HOSTS = [’54.241.142.236']

Each app must be added to Installed Apps list.

TIME\_ZONE = 'America/Los\_Angeles’

STATIC\_URL = '/static/'

STATIC\_ROOT = '/home/ubuntu/ShopLyfe/static'

LOGIN\_REDIRECT\_URL = ‘home’

**Apache Settings:**

Between the virtual host tags (<VirtualHost \*:80>, </VirtualHost>) add:

Alias /static /home/ubuntu/ShopLyfe/static/

<Directory /home/ubuntu/ShopLyfe/static>

Require all granted

</Directory>

<Directory /home/ubuntu/ShopLyfe/ShopLyfe>

<Files [wsgi.py](http://wsgi.py)>

Require all granted

</Files>

</Directory>

WSGIDaemonProcess ShopLyfe python-path=/home/ubuntu/ShopLyfe python-home=/home/ubuntu/ShopLyfe/ShopLyfeenv

WSGIProcessGroup ShopLyfe

WSGIScriptAlias / /home/ubuntu/ShopLyfe/ShopLyfe/wsgi.py