

# **Django Server**

# **Deployment**



**HEROKU**

# Heroku Account Setup

**(1) Sing Up**

**<https://signup.heroku.com/>**

**(2) Gmail Confirm**

# Heroku Create New App

App name

aung-petclinic



aung-petclinic is available

Choose a region



Europe



# Heroku CLI Setup

**(1) Download Installer File**

**(2) Install Heroku CLI**

**(3) Test heroku in cmd**



**git**

# Git Setup

**(1) Download Git Installer File**

**<https://git-scm.com/>**

**(2) Install Git**

**(3) Test git in cmd**

# Heroku CLI Login

```
$ heroku login
```

Create a new Git repository

Initialize a git repository in a new or existing directory

```
$ cd my-project/  
$ git init  
$ heroku git:remote -a aung-petclinic
```



# Python Virtual Environment

## **(1) Create**

**python3 -m venv venv**

## **(2) Activate**

**source venv/bin/activate (Linux)**

**venv\Scripts\activate (window)**

# Project Config Export

**(1) python-decouple install**  
**pip install python-decouple**  
**from decouple import config**

**(2) .env file create in project folder**  
**SECRET\_KEY = config('SECRET\_KEY')**  
**DEBUG = config('DEBUG')**

# Project Config Upload

**heroku plugins:install heroku-config**

**heroku config:push**

**heroku config**

# Database URL Export

**(1) dj-database-url install**

**pip install dj-database-url**

**from dj\_database\_url import parse as dburl**

**(2) default\_dburl create**

**default\_dburl = 'sqlite:/// ' + os.path.join(BASE\_DIR, 'db.sqlite3')**

**DATABASES = { 'default': config('DATABASE\_URL',  
default=default\_dburl, cast=dburl), }**

# WSGI Export

**(1) dj-static install**

**pip install dj-static**

**from dj\_static import Cling**

**(2) edit wsgi.py**

**Cling(get\_wsgi\_application())**

# Add STATIC ROOT

**(1) add footer settings.py**

```
STATIC_ROOT = os.path.join(BASE_DIR, 'staticfiles')
```

# Create Prcofile

**(1) create Prcofile**

**(2) add wsgi path**

**web: gunicorn petclinic\_v4.wsgi --log-file -**

# Create runtime file

**(1) create runtime.txt**

**(2) add python version**

**python-3.7.5**



# Requirements Export

**(1) requirements-dev export**

**pip freeze > requirements-dev.txt**

**(2) requirements.txt create**

**-r requirements-dev.txt**

**gunicorn**

**psycopg2**

# Git Commit & Push

**git add .**

**git commit -m "ready for heroku"**

**git push heroku master --force**

# Django Command Run

**heroku run python3 manage.py migrate**

**heroku run python3 manage.py createsuperuser**