

## Server Setup

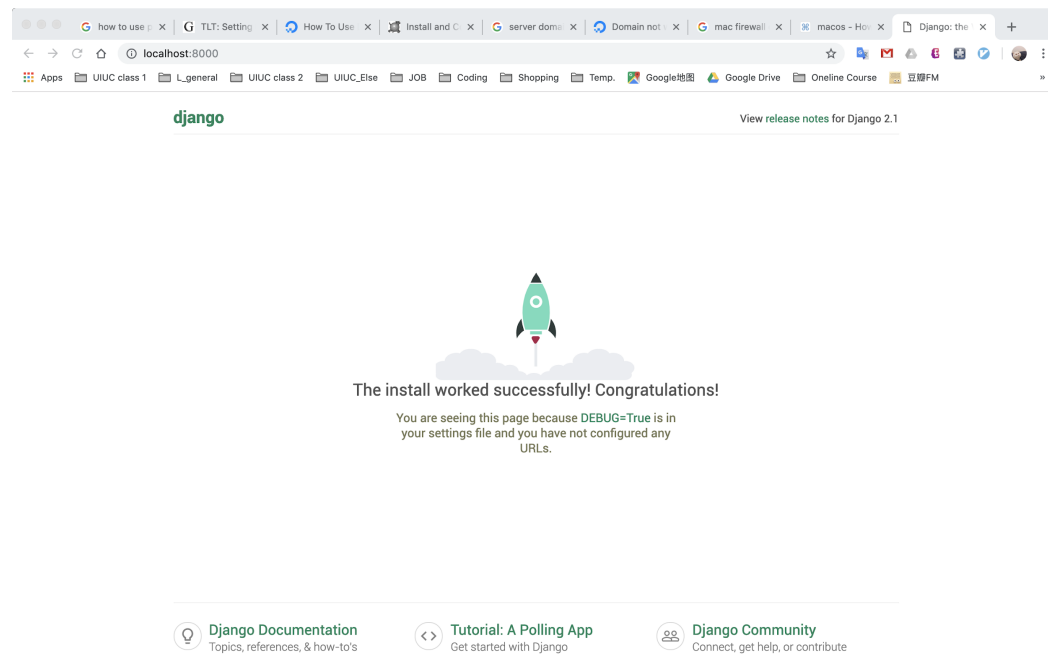
Reference: <https://www.digitalocean.com/community/tutorials/how-to-use-postgresql-with-your-django-application-on-ubuntu-16-04>

Github repository: [https://github.com/CYKAKAKA/CS411\\_Project](https://github.com/CYKAKAKA/CS411_Project)

Steps:

1. Package install:django, psycopg2
2. Change default database to Postgresql
3. Configure the Django Database Setting:
  - a. Change engine, password, host etc.
  - b. Add allow\_host
4. Migrate the database and test project
  - a. Apply migration and add superuser
  - b. Open firewall port

Screenshots:



```
myproject — python • python manage.py runserver 0.0.0.0:8000 — 80x24
/Users/shuilingyu/Desktop/myproject/myprojectenv/lib/python3.6/site-packages/psyc
cpg2/___init___.py:144: UserWarning: The psycopg2 wheel package will be renamed f
rom release 2.8; in order to keep installing from binary please use "pip install
psycopg2-binary" instead. For details see: <http://initd.org/psycopg/docs/insta
ll.html#binary-install-from-pypi>.
  """
Performing system checks...

System check identified no issues (0 silenced).
March 03, 2019 - 19:17:29
Django version 2.1.7, using settings 'myproject.settings'
Starting development server at http://0.0.0.0:8000/
Quit the server with CONTROL-C.
[03/Mar/2019 19:17:55] "GET / HTTP/1.1" 200 16348
[03/Mar/2019 19:17:55] "GET /static/admin/css/fonts.css HTTP/1.1" 200 423
[03/Mar/2019 19:17:55] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.
1" 200 82564
[03/Mar/2019 19:17:55] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP
/1.1" 200 80304
[03/Mar/2019 19:17:55] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1
.1" 200 81348
Not Found: /favicon.ico
[03/Mar/2019 19:17:55] "GET /favicon.ico HTTP/1.1" 404 1975
```

## Database Setup

1. We will use Postgresql as the relational database system
2. We will use “COPY” statement to import the scrawled data