

# Documentation

*for install django and create project:*

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*create new folder and move to it:*

1- **mkdir pro\_name && cd pro\_name**

*create virtual enviroment:*

2-**virtualenv venv**

*activate virtual enviroment:*

3-**source venv/bin/activate**

*install python dependencies and django:*

4-**sudo apt-get install libpq-dev python-dev**

5-**sudo apt-get build-dep python-psycopg2**

6-**pip install django-toolbelt**

7-**pip install pillow**

*create new project and named Site:*

8-**django-admin startproject Site**

9-**cd Site**

*create new app in this project and named myapp:*

10-**./manage.py startapp myapp**

*add myapp to Installed Apps in settings.py*

*write classes that represent tables in database and migrate it by :*

11- **./manage.py makemigrations**

12-**./manage.py migrate**

*create super user for access database:*

13- **./manage.py createsuperuser**

*enter Username and email and password for admin panel*

*to runserver at localhost*

14- **./manage.py runserver**

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***to host django app on heroku website:***

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*install heroku on Debian/Ubuntu 14.04*

1-**wget -O- https://toolbelt.heroku.com/install-ubuntu.sh | sh**

2- **heroku login**

*create file in project called Profile that contains process of hosting*

3- **sudo gedit Profile**

*write these in Profile*

4-**web: gunicorn Site.wsgi --log-file -**

*create file that contains requirements should have been installed called requirements.txt*

5-**sudo gedit requirements.txt**

*write these in requirements.txt*

6-     Django==1.7  
       dj-database-url==0.3.0  
       dj-static==0.0.6  
       gunicorn==19.1.1  
       psycpg2==2.5.1  
       static==0.4  
       wsgiref==0.1.2

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

8- **heroku local**

9-*add the following lines to the bottom of settings.py file*

```
# Parse database configuration from $DATABASE_URL
import dj_database_url
```

```

DATABASES['default'] = dj_database_url.config()

# Honor the 'X-Forwarded-Proto' header for request.is_secure()
SECURE_PROXY_SSL_HEADER = ('HTTP_X_FORWARDED_PROTO', 'https')

# Allow all host headers
ALLOWED_HOSTS = ['*']

# Static asset configuration
import os
BASE_DIR = os.path.dirname(os.path.abspath(__file__))
STATIC_ROOT = 'staticfiles'
STATIC_URL = '/static/'

STATICFILES_DIRS = (
    os.path.join(BASE_DIR, 'static'),
)

```

10- *make Database comments*

11-*edit wsgi.py file*

```

from django.core.wsgi import get_wsgi_application
from dj_static import Cling

application = Cling(get_wsgi_application())

```

12- *make .gitignore file*

**sudo gedit .gitignore**

13- *add the following in .gitignore file*

```

venv
*.pyc
staticfiles

```

14-*create a new git repository and save our changes*

15- **git init**

16- **git add .**

17- **git commit -m "changes"**

18- **heroku create optimum**

19-**git push heroku master**

20-**heroku ps:scale web=1**

21- **heroku ps**

22- **heroku open**

*to sync the Django models with the database schema:*

23-**heroku run python manage.py syncdb**