

# Blog Engine in Django Restframework

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(Work in Progress)

A blog engine backend constructed in django restframework with custom user models and login.

## Setup:

1. Create a `virtualenv` named such as `env` and switch to it.
2. Run: `python -m pip install --upgrade pip` to upgrade the `PythonPackageManager` (just to save you an hour's worth of headache 5 minutes later).
3. Run: `pip install -r requirements.txt`
4. Run: `[chmod +x run.sh , chmod +x migrate.sh]`
5. Create the `.env` file and fill the values as per the format given below.
6. Run: `./migrate.sh`
7. Run: `python manage.py createsuperuser`
  - 7.1. Enter the superuser credentials as required.
8. Run: `./run.sh`

## Basic Level 0 control flow:

1. Create a `user`.
2. Generate an `author` from a `user`.
3. Whenever a new `blog post` is added, the `author` is derived from `request.user` and added to the `blog post`.
4. A `blog post` can only be updated or deleted if `request.user` is either the owning user or a member of the staff.
5. The list of all users can only be viewed/deleted if `request.user` is an administrator or a member of the staff.

## Installed Custom Applications:

1. Userapp:

Used for user registration and verification via author-generation.

2. Blogapp:

Used to CRUD blog posts in/from the database.

## .env File Format:

```
SECRET_KEY = ''  
DATABASE = ''  
USER = ''  
PASSWORD = ''  
HOST = ''  
PORT =  
DEBUG =
```

Documentation:

[documenter.getpostman.com](https://documenter.getpostman.com)