Blog Engine in Django Restframework

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

Details:

1. **Type**: REST API
2. **Authentication**: Token Authetication
3. **Types of Users**: Superuser, Staff, User
4. **Timezone**: Asia/Kolkata (UTC +05:30hrs)

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