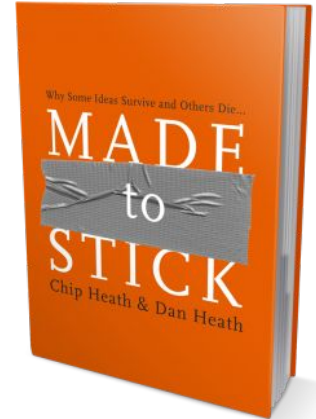

BlogIt

Team Members:

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 - Mudit Bhardwaj (18074011)
-

Introduction

It is a blog application that allows users to register and publish their blogs. Along with this , a chat-room is provided for each blog where users can communicate with each other and can share their opinions.





2. Requirements

- Python 3.6.5
- Django 2.1+
- MySQL
- Redis cache
- Django Channels
- Sendgrid
- Django Social Auth
- Django Markup

Database Design

We have the following apps, with their respective models (Class representation of SQL table entities):

- **Blogs**
 - ◆ Contains data about the blog like author name, content, e.t.c .
- **Categories**
 - ◆ This models helps in categorizing the blogs.
- **Email verification tokens**
 - ◆ Used to store email verification tokens for different users.
- **Votes**
 - ◆ Handles the upvotes and downvotes of each blog,
- **Users**
 - ◆ Contains all the users registered in the application.

Project Structure

- There are two folders in our project ; as described below:
 - ◆ Blogger
 - It is the main app that handles all consumers , views, urls, routing, templates and all the static files required in our project.
 - ◆ Blogit
 - It contains all the wsgi.py, asgi configuration and settings.py, e.t.c files of our project.

Important files In Blogger APP:

- **Consumers.py:**
 - ◆ This file handles the main logic of web sockets which makes it possible to make real-time-chat-room work.
- **forms.py**
 - ◆ This file takes care of all the logic used for forms in the application.
- **Models.py**
 - ◆ This file contains all the models related to our database.
- **Routing.py, urls.py**
 - ◆ This file includes the urls related to the web sockets and all the urls linked to some views function.
- **sql.py, utils.py**
 - ◆ These files contain some function to avoid duplicacy of the code and to make the code readable and understandable.
- **Views.py**
 - ◆ This file contains the main logic of our application implemented with the help of python functions which takes an `HttpRequest` and return an `HttpResponse`.

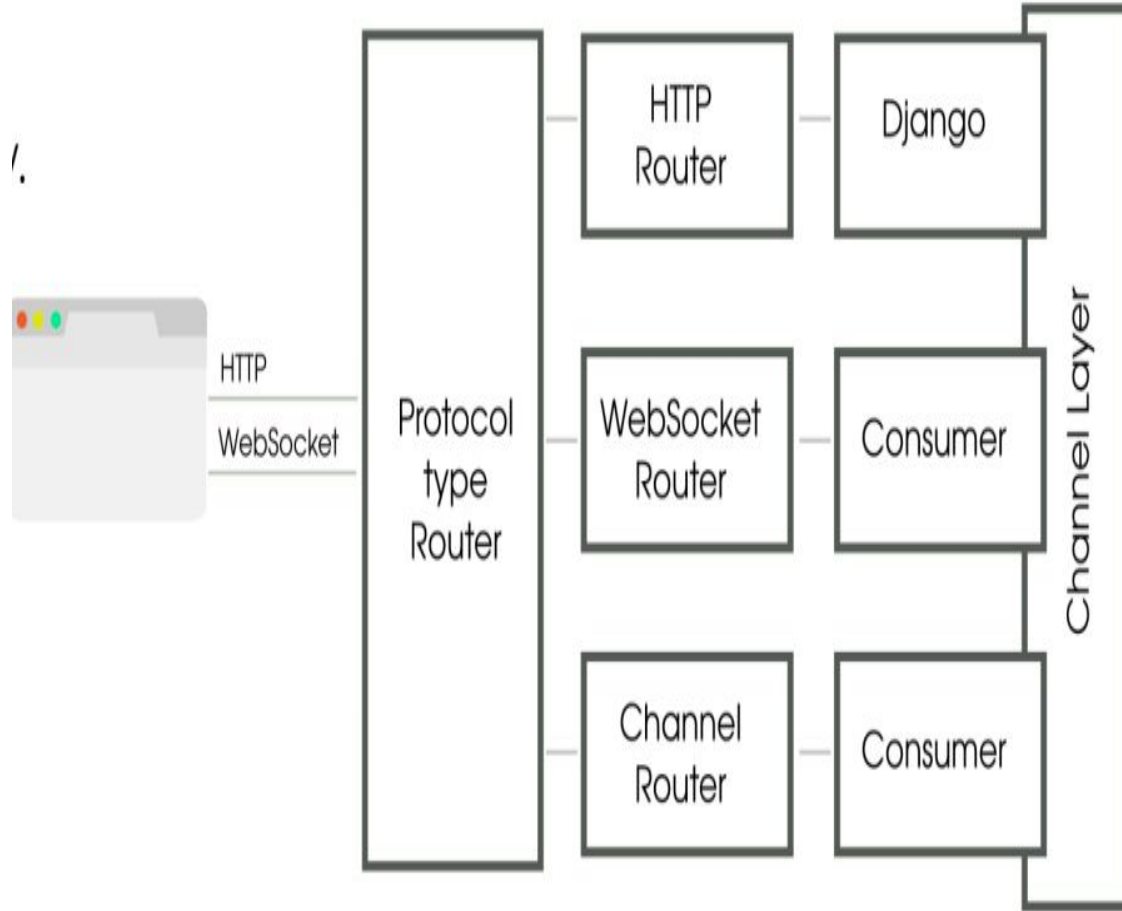
URL Mapping:

- / homepage
- /login/ login page
- /register/ register page
- /logout/ handles log out request
- /confirm/ email confirmation page
- /create/ writing blog
- /blog/<int:num>/ blog view page
- /category/<int:num>/ sort blogs by categories
- /search/ search blogs
- /ws/chat/<int:num>/ websockets for chat room

Technical Stack

Instead of standard WSGI server, this project uses an ASGI server (specifically, Daphne) which allows application servers to interact with each other asynchronously.

For WebSocket messages, the router lets consumer handle the event, which can also send message back. So, consumers can contain logic for a fully bi-directional communication.





BlogIt

[HOME](#) [CATEGORIES ▾](#) [LOGIN](#) [REGISTER](#)

WEB

NISHANT MITTAL • NOV. 28, 2019

Essential browser extensions for more privacy

Installing security-focused browser extensions that block pop-up advertisements and completely encrypt website traffic from being monitored or tracked will, definitely increase your privacy—and may even speed up your browser.



Features

Register Page

- Authentication through Facebook
- Email Verification Code.

Story for illustration purposes only

Password

Confirm Password

Register

Register using facebook

Confirm Your Email

Enter verification code sent to muditbhardwaj195@gmail.com

Verify Email

Features

Writing a Blog

- Blogs support Markdown
- A fully functional Markdown editor

Story for illustration purposes only

Link of Blog Cover Image

Write Blog here (Write in Markdown)

B *I* | “ ” | ••• | ••• | 🔗 🖼️ | ⓘ 👁️

IDEA

The idea is to create an application that aims to incentivize voting. It will be an online portal which will keep track of the people who have voted and facilitate the government to reward them for their participation in the democracy. The application will also serve as a platform for the citizens of the country to apply for voters' ID, apply corrections in their ID, and make the voting process hassle-free for the general public.

Inspiration for the idea was the relatively low participation of Indian citizens in the voting process. We tried to find the reasons behind it, and one of the primary reasons is the hassle-full process of obtaining voters' ID.

lines: 8 words: 155 7:238

Submit

Features

Chat-rooms

- Every blog has a different chat rooms
- Chat-rooms provide real time communication with the help of web sockets and redis channel layer.

Story for illustration purposes only

Chat Room

nishantwrp: hello everyone

Mudit: What an awesome blog it is!!

nishantwrp: yeah you are correct

nishantwrp: But I can't find the link to privacy badgers extension

Mudit: Here is the link:
<https://www.eff.org/privacybadger>

Oh! I

Post

A background image of a soccer game at night. A bright stadium light illuminates the field from above. Several players in various colored jerseys are visible on the green grass, some in motion. The scene is dark, with the light from the stadium creating a strong contrast.

Thanks!

Our project is available on GitHub as an
Open Source project:

<https://github.com/nishantwrp/BlogIt>

Contributions are gladly welcome!