Django- Chat application

# Source

<https://www.youtube.com/watch?v=Wv5jlmJs2sU>

# Django Channels

It is allows us run synchronous code to create applications like chat bots and other web applications using web socket.

Url: <https://channels.readthedocs.io/en/latest/>

## Tutorial Section

Url: <https://channels.readthedocs.io/en/latest/tutorial/index.html>

# ASGI

* Asynchronous Server Gateway Interface
* It handles request on server.
* In this case we don’t use WSGI, we use ASGI.
* It allows us to write applications that use WebSocket receivers which basically has the capability to send, listen and receive messages on specific socket.

# Integrating Django Channels

Channels routing configuration is similar to a Django URLconf in that it tells Channels what code to run when an HTTP request is received by the Channels server.

**# mysite/settings.py**

INSTALLED\_APPS = [

'channels',

'chat',

'django.contrib.admin',

'django.contrib.auth',

'django.contrib.contenttypes',

'django.contrib.sessions',

'django.contrib.messages',

'django.contrib.staticfiles',

]

**# mysite/routing.py**

from channels.routing import ProtocolTypeRouter

application = ProtocolTypeRouter({

# (http->django views is added by default)

})

**pip install channels**

**# mysite/settings.py**

# Channels

ASGI\_APPLICATION = 'mysite.routing.application'

**python manage.py runserver**

Watching for file changes with StatReloader

Performing system checks...

System check identified no issues (0 silenced).

July 11, 2020 - 08:51:40

Django version 3.0.8, using settings 'justchat.settings'

Starting ASGI/Channels version 2.4.0 development server at http://127.0.0.1:8000/

Quit the server with CTRL-BREAK.