

Source File

Django (Music)

Settings.py

```
"""
```

Django settings for music project.

Generated by 'django-admin startproject' using Django 2.2.10.

For more information on this file, see

<https://docs.djangoproject.com/en/2.2/topics/settings/>

For the full list of settings and their values, see

<https://docs.djangoproject.com/en/2.2/ref/settings/>

```
"""
```

```
import os
```

```
# Build paths inside the project like this: os.path.join(BASE_DIR, ...)
```

```
BASE_DIR = os.path.dirname(os.path.dirname(os.path.abspath(_file_)))
```

```
# Quick-start development settings - unsuitable for production
```

```
# See https://docs.djangoproject.com/en/2.2/howto/deployment/checklist/
```

```
# SECURITY WARNING: keep the secret key used in production secret!
```

```
SECRET_KEY = 'vnwh*atll40-nb18nx1n5o00)hv$e0yal+!((nn@i_e5e9s3f0'
```

```
# SECURITY WARNING: don't run with debug turned on in production!
```

```
DEBUG = True
```



```
ALLOWED_HOSTS = []
```

```
# Application definition
```

```
INSTALLED_APPS = [  
    'django.contrib.admin',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
    'musicbeats'  
]
```

```
MIDDLEWARE = [  
    'django.middleware.security.SecurityMiddleware',  
    'django.contrib.sessions.middleware.SessionMiddleware',  
    'django.middleware.common.CommonMiddleware',  
    'django.middleware.csrf.CsrfViewMiddleware',  
    'django.contrib.auth.middleware.AuthenticationMiddleware',  
    'django.contrib.messages.middleware.MessageMiddleware',  
    'django.middleware.clickjacking.XFrameOptionsMiddleware',  
]
```

```
ROOT_URLCONF = 'music.urls'
```

```
TEMPLATES = [  
    {  
        'BACKEND': 'django.template.backends.django.DjangoTemplates',  
        'DIRS': ['musicbeats/templates/musicbeats'],
```



```
'APP_DIRS': True,
'OPTIONS': {
    'context_processors': [
        'django.template.context_processors.debug',
        'django.template.context_processors.request',
        'django.contrib.auth.context_processors.auth',
        'django.contrib.messages.context_processors.messages',
    ],
},
],
```

```
WSGI_APPLICATION = 'music.wsgi.application'
```

Database

<https://docs.djangoproject.com/en/2.2/ref/settings/#databases>

```
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.sqlite3',
        'NAME': os.path.join(BASE_DIR, 'db.sqlite3'),
    }
}
```

Password validation

<https://docs.djangoproject.com/en/2.2/ref/settings/#auth-password-validators>

```
AUTH_PASSWORD_VALIDATORS = [
    {
```



```
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',
    },
]
```

Internationalization

<https://docs.djangoproject.com/en/2.2/topics/i18n/>

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'UTC'

USE_I18N = True

USE_L10N = True

USE_TZ = True

Static files (CSS, JavaScript, Images)

<https://docs.djangoproject.com/en/2.2/howto/static-files/>



```
STATIC_URL = '/static/'
```

```
MEDIA_URL = '/media/'
```

```
MEDIA_ROOT = os.path.join(BASE_DIR, 'media')
```

Urls.py

```
"""music URL Configuration
```

The urlpatterns list routes URLs to views. For more information please see:

<https://docs.djangoproject.com/en/2.2/topics/http/urls/>

Examples:

Function views

1. Add an import: from my_app import views
2. Add a URL to urlpatterns: path("", views.home, name='home')

Class-based views

1. Add an import: from other_app.views import Home
2. Add a URL to urlpatterns: path("", Home.as_view(), name='home')

Including another URLconf

1. Import the include() function: from django.urls import include, path
2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))

```
"""
```

```
from django.contrib import admin
```

```
from django.urls import path, include
```

```
from . import views
```

```
from django.conf import settings
```

```
from django.conf.urls.static import static
```

```
urlpatterns = [
```

```
    path('admin/', admin.site.urls),
```

```
    path("", views.index, name='index'),
```



```
path('musicbeats/', include('musicbeats.urls'))
] + static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
```

Views.py

```
from django.shortcuts import render
from django.db.models import Case, When
from django.contrib.auth.models import User
from musicbeats.models import Song
from musicbeats.models import Watchlater

def index(request):
    song = Song.objects.all()[0:3]

    if request.user.is_authenticated:
        wl = Watchlater.objects.filter(user=request.user)
        ids = []
        for i in wl:
            ids.append(i.video_id)

        preserved = Case(*[When(pk=pk, then=pos) for pos, pk in enumerate(ids)])
        watch = Song.objects.filter(song_id__in=ids).order_by(preserved)
        watch = reversed(watch)

    else:
        watch = Song.objects.all()[0:3]

    return render(request, 'index.htm', {'song': song, 'watch': watch})
```



Wsgi.py

```
"""
```

WSGI config for music project.

It exposes the WSGI callable as a module-level variable named `application`.

For more information on this file, see

<https://docs.djangoproject.com/en/2.2/howto/deployment/wsgi/>

```
"""
```

```
import os
```

```
from django.core.wsgi import get_wsgi_application
```

```
os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'music.settings')
```

```
application = get_wsgi_application()
```

Django(Music Beats)

Template Files

Index.html

```
{%extends 'musicbeats/basic.htm'%}
```

```
{% block title%}MusicBeats{% endblock %}
```



```

{% block body %}

{% load static %}

<div id="carouselExampleSlidesOnly" class="carousel slide" data-ride="carousel">
  <div class="carousel-inner">
    <div class="carousel-item active">
      
    </div>
    <div class="carousel-item">
      
    </div>
    <div class="carousel-item">
      
    </div>
  </div>
</div>

<h2 style="padding-left: 8%; padding-top: 2%; font-family: 'Verdana';">Trending Songs</h2>

<div class="row" style="padding-top: 2%; padding-left: 7%;">
  {% for i in song %}
    <div style="padding-left: 2%; padding-top: 1%;">
      <div class="card" style="width: 18rem;">
        
        <div class="card-body">
          <h5 class="card-title">{{i.name}}</h5>
          <p class="card-text" style="color: green;">Tags: {{i.tags}}</p>
          <p class="card-text" style="color: green;">Movie: {{i.movie}}</p>
          <a href="/musicbeats/songs/{{i.song_id}}" class="btn btn-outline-danger ">Listen
Song</a>
        </div>
      </div>
    </div>
  {% endfor %}
</div>

```




```
</div>
```

```
{% endfor %}
```

```
</div>
```

```
<hr>
```

```
<h3 style="padding-left: 8%; padding-top: 2%; font-family: 'Verdana';">Your Listen Later</h3>
```

```
<div class="row" style="padding-top: 2%; padding-left: 7%;">
```

```
{% for i in watch reversed %}
```

```
<div style="padding-left: 2%; padding-top: 1%;">
```

```
<div class="card" style="width: 18rem;">
```

```

```

```
<div class="card-body">
```

```
<h5 class="card-title">{{i.name}}</h5>
```

```
<p class="card-text" style="color: green;">Tags: {{i.tags}}</p>
```

```
<p class="card-text" style="color: green;">Movie: {{i.movie}}</p>
```

```
<a href="/musicbeats/songs/{{i.song_id}}" class="btn btn-outline-danger ">Listen  
Song</a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
{% endfor %}
```

```
</div>
```

```
<hr>
```

```
<div class="row" style="padding-top: 2%; padding-left: 7%;">
```

```
</div>
```

```
{% endblock %}
```



Basic.html

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">
    <script src="https://cdn.jsdelivr.net/npm/sweetalert2@9"></script>
    <script src="/media/images/soundmanagerv297a-
20170601/script/soundmanager2.js"></script>
    <title>{% block title %} {% endblock %}</title>
  </head>
  <body>
    {% load static %}
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
      <a class="navbar-brand" href="/">MusicBeats</a>
      <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>

      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mr-auto">
          <li class="nav-item active">
            <a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>
```



```

</li>

<li class="nav-item">

  <a class="nav-link" href="/musicbeats/songs/">All Songs</a>

</li>


</ul>

<form class="form-inline my-2 my-lg-0">

  <input class="form-control mr-sm-1" type="search" placeholder="Search" aria-label="Search">

  <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>

</form>

</div>

{% if user.is_authenticated %}

  <ul class="navbar-nav ml-auto"></ul>

  <li class="nav nav-item dropdown">

    <a class="nav-link dropdown-toggle" style="color: white;" href="#" id="navbarDropdown" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">Welcome {{request.user}}</a>

    <div class="dropdown-menu" aria-labelledby="navbarDropdown">

      <a class="dropdown-item" href="/musicbeats/c/{{request.user}}">Your Channel</a>

      <a class="dropdown-item" href="/musicbeats/upload">Upload Music</a>

      <a class="dropdown-item" href="/musicbeats/watchlater">Listen Later</a>

      <a class="dropdown-item" href="/musicbeats/history">History</a>

      <a class="dropdown-item" onclick="logout()">Logout</a>

    </div>

  </li>

</ul>

<script>

  function logout(){

    Swal.fire({

```



```

        title: 'Are you sure you want to Log out?',
        icon: 'warning',
        showCancelButton: true,
        confirmButtonColor: '#3085d6',
        cancelButtonColor: '#d33',
        confirmButtonText: 'Yes!'
    }).then((result) => {
        if (result.value) {
            document.location = "/musicbeats/logout_user"
        }
    })
}
</script>

```

```

{% else %}
<div class="my-2" style="padding-left: 1%;">
    <a href="/musicbeats/login"><button class="btn btn-sm btn-
danger">Login</button></a>
    <a href="/musicbeats/signup"><button class="btn btn-sm btn-
danger">Signup</button></a>
</div>
{% endif %}
</nav>
{% block body %}

```

```

{% endblock %}

```

```

<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>

```

```

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
integrity="sha384-
UO2eT0CpHqdsJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1"

```



```

crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIlly6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"
crossorigin="anonymous"></script>

{% block js %}

{% endblock %}

</body>

</html>

```

Channel.html

```

{%extends 'musicbeats/basic.htm'%}

{% block title%}Login{% endblock %}


{% block body %}


<h2 style="text-align: center; padding-top: 2%; color: rgb(218, 16, 16);">Channel:
{{channel.name}}</h2>


<div class="container">

{% for i in song reversed %}

<div class="card mb-3" style="max-width: 940px; padding-top: 0%;">

  <div class="row no-gutters">

    <div class="col-md-4">

    </div>

    <div class="col-md-8">

      <div class="card-body">

        <h5 class="card-title" style="color: green; font-weight: 550;">{{i.name}}</h5>

        <p class="card-text">Tags: {{i.tags}}</p>

        <p class="card-text">Movie: {{i.movie}}</p>

        {% if user.is_authenticated %}

```



```

        <form action="/musicbeats/history" method="POST">{% csrf_token %}
        <input type="hidden" name="music_id" value="{{i.song_id}}">
        <a href="/musicbeats/songs/{{i.song_id}}"><button class="btn btn-outline-
danger">Listen Song</button></a>
    </form>
    {% else %}
    <a href="/musicbeats/songs/{{i.song_id}}"><button class="btn btn-outline-
danger">Listen Song</button></a>
    {% endif %}
</div>
</div>
</div>
</div>
{% endfor %}

</div>

```

```
{% endblock %}
```

History.html

```

{% extends 'musicbeats/basic.htm' %}
{% block title %}MusicBeats{% endblock %}

{% block body %}
{% load static %}
<h1 style="color: rgb(158, 60, 60); text-align: center;">History</h1>

{% if history|length < 1 %}
    <h3 style="text-align: center; padding-top: 5%;">You have no Video in your Watch
    Later</h3>
{% endif %}

```



```

<div class="container">
{% for i in history reversed %}
<div class="card mb-3" style="max-width: 940px; padding-top: 0%;">
  <div class="row no-gutters">
    <div class="col-md-4">
      
    </div>
    <div class="col-md-8">
      <div class="card-body">
        <h5 class="card-title" style="color: green; font-weight: 550;">{{i.name}}</h5>
        <p class="card-text">Tags: {{i.tags}}</p>
        <p class="card-text">Movie: {{i.movie}}</p>
        <a href="/musicbeats/songs/{{i.song_id}}"><button class="btn btn-outline-
danger">Listen Song</button></a>
      </div>
    </div>
  </div>
</div>
{% endfor %}
</div>
</div>

{% endblock %}
*

```

Login.html

```

{%extends 'musicbeats/basic.htm'%}
{% block title%}Login{% endblock %}

{% block body %}

```



```

<div class="container my-3">
  <form action="/musicbeats/login" method="POST">{% csrf_token %}
    <div class="form-group">
      <label for="exampleInputEmail1">Username</label>
      <input type="text" class="form-control" id="exampleInputEmail1" aria-
describedby="emailHelp" name="username" placeholder="Your Username">
    </div>
    <div class="form-group">
      <label for="exampleInputPassword1">Password</label>
      <input type="password" class="form-control" id="exampleInputPassword1"
placeholder="Password" name="password">
    </div>
    <button type="submit" class="btn btn-primary">Login</button>
  </form>
</div>

{% endblock %}

```

Signup.html

```

{% extends 'musicbeats/basic.htm' %}
{% block title %}SignUp{% endblock %}

{% block body %}
<div class="container my-4">
  <form method="POST" action="/musicbeats/signup">{% csrf_token %}
    <div class="form-group">
      <label for="exampleFormControllInput1">Email address</label>
      <input type="email" class="form-control" id="exampleFormControllInput1"
placeholder="name@example.com" name="email">
    </div>
  </form>
</div>

```




```
</div>
```

```
<div class="form-group">  
  <label for="exampleFormControllInput1">Username</label>  
  <input type="text" class="form-control" id="exampleFormControllInput1"  
name="username">  
</div>
```

```
<div class="form-group">  
  <label for="exampleFormControllInput1">First Name</label>  
  <input type="text" class="form-control" id="exampleFormControllInput1"  
name="firstname">  
</div>
```

```
<div class="form-group">  
  <label for="exampleFormControllInput1">Last Name</label>  
  <input type="text" class="form-control" id="exampleFormControllInput1"  
name="lastname">  
</div>
```

```
<div class="form-group">  
  <label for="exampleFormControllInput1">Password</label>  
  <input type="password" class="form-control" id="exampleFormControllInput1"  
name="pass1">  
</div>
```

```
<div class="form-group">  
  <label for="exampleFormControllInput1">Password (again)</label>  
  <input type="password" class="form-control" id="exampleFormControllInput1"  
name="pass2">  
</div>
```

```
<div style="padding-top: 2%;">
```

```
<button type="submit" class="btn btn-primary">SignUp</button>
```



```
</div>
</form>
</div>
```

```
{% endblock %}
```

Songpost.html

```
{%extends 'musicbeats/basic.htm'%}
```

```
{% block title%}All Songs{% endblock %}
```

```
{% block body %}
```

```
{% if message%}
```

```
<script>
```

```
    Swal.fire({
        position: 'top-end',
        icon: 'success',
        title: '{{message}}',
        showConfirmButton: false,
        timer: 1500
    })
```

```
</script>
```

```
{% endif %}
```

```
<div class="container">
```

```
    <div class="row">
```

```
        <div class="col-md-6" style="padding-top: 3%;">
```

```
            
```

```
        </div>
```

```
        <div class="col-md-6">
```

```
            <h2 style="padding-top: 6%; font-weight: 550; color: green;">Title: {{song.name}}</h2>
```



```
<h5 style="padding-top: 2%; font-weight: 550;">Category: {{song.tags}}</h5>
<h5 style="padding-top: 2%; font-weight: 550;">Movie: {{song.movie}}</h5>
<h5 style="padding-top: 2%; font-weight: 550;">Singer: {{song.singer}}</h5>
<h5 style="padding-top: 2%; font-weight: 550;">Credit: <a href="{{song.credit}}"
target="blank_">Click here</a></h5>
```

```
<audio controls style="padding-top: 2%;">
  <source src="/media/{{song.song}}" type="audio/mp3">
</audio>
```

```
<div style="padding-top: 2%;">

  <div class="row" style="padding-left: 3%;">
    <form action="/musicbeats/watchlater" method="POST">{% csrf_token %}
    <input type="hidden" name="video_id" value="{{song.song_id}}">
    <button type="submit" class="btn btn-outline-danger" id="submit_btn">Add to Listen
    Later</button>
    </form>

    <a download href="/media/{{song.song}}" style="padding-left: 1%;"><button
    class="btn btn-outline-danger">Download Song</button></a>

  </div>
</div>
</div>
</div>
</div>
</div>
```

```
<script>
```

```
</script>
```

```
{% endblock %}
```



```
{% block js %}
```

```
{% endblock %}
```

Song.html

```
{% extends 'musicbeats/basic.htm' %}
```

```
{% block title %}All Songs{% endblock %}
```

```
{% block body %}
```

```
<div class="container">
```

```
{% for i in song reversed %}
```

```
<div class="card mb-3" style="max-width: 940px; padding-top: 0%;">
```

```
<div class="row no-gutters">
```

```
<div class="col-md-4">
```

```

```

```
</div>
```

```
<div class="col-md-8">
```

```
<div class="card-body">
```

```
<h5 class="card-title" style="color: green; font-weight: 550;">{{i.name}}</h5>
```

```
<p class="card-text">Tags: {{i.tags}}</p>
```

```
<p class="card-text">Movie: {{i.movie}}</p>
```

```
{% if user.is_authenticated %}
```

```
<form action="/musicbeats/history" method="POST">{% csrf_token %}
```

```
<input type="hidden" name="music_id" value="{{i.song_id}}">
```

```
<a href="/musicbeats/songs/{{i.song_id}}"><button class="btn btn-outline-danger">Listen Song</button></a>
```

```
</form>
```

```
{% else %}
```

```
<a href="/musicbeats/songs/{{i.song_id}}"><button class="btn btn-outline-danger">Listen Song</button></a>
```

```
{% endif %}
```



```

        </div>
    </div>
</div>
</div>
{% endfor %}
</div>
{% endblock %}

```

Watchlater.html

```

{%extends 'musicbeats/basic.htm'%}

{% block title%}MusicBeats{% endblock %}


{% block body %}

{% load static %}

<h1 style="color: rgb(158, 60, 60); text-align: center;">Watch Later</h1>


{% if song|length < 1 %}

    <h3 style="text-align: center; padding-top: 5%;">You have no Video in your Watch
    Later</h3>

{% endif %}


<div class="container">

{% for i in song reversed %}

<div class="card mb-3" style="max-width: 940px; padding-top: 0%;">

    <div class="row no-gutters">

        <div class="col-md-4">

        </div>

        <div class="col-md-8">

```



```

<div class="card-body">
    <h5 class="card-title" style="color: green; font-weight: 550;">{{i.name}}</h5>
    <p class="card-text">Tags: {{i.tags}}</p>
    <p class="card-text">Movie: {{i.movie}}</p>
    <a href="/musicbeats/songs/{{i.song_id}}"><button class="btn btn-outline-
danger">Listen Song</button></a>
    </div>
</div>
</div>
</div>
{% endfor %}
</div>
</div>

{% endblock %}

```

Django files

Admin.py

```

from django.contrib import admin
from .models import Song, Watchlater, History, Channel
admin.site.register(Song)
admin.site.register(Watchlater)
admin.site.register(History)
admin.site.register(Channel)

```

Apps.py

```

from django.apps import AppConfig

class MusicbeatsConfig(AppConfig):
    name = 'musicbeats'

```



Models.py

```
from django.db import models
from django.contrib.auth.models import User

# Create your models here.

class Song(models.Model):
    song_id = models.AutoField(primary_key=True)
    name = models.CharField(max_length=2000)
    singer = models.CharField(max_length=2000)
    tags = models.CharField(max_length=100)
    image = models.CharField(max_length=100000, default="")
    song = models.FileField(upload_to='images')
    movie = models.CharField(max_length=1000, default="")
    credit = models.CharField(max_length=100000, default="")

    def _str_(self):
        return self.name

class Watchlater(models.Model):
    watch_id = models.AutoField(primary_key=True)
    user = models.ForeignKey(User, on_delete=models.CASCADE)
    video_id = models.CharField(max_length=10000000, default="")

class History(models.Model):
    hist_id = models.AutoField(primary_key=True)
    user = models.ForeignKey(User, on_delete=models.CASCADE)
    music_id = models.CharField(max_length=10000000, default="")

class Channel(models.Model):
    channel_id = models.AutoField(primary_key=True)
```



```
name = models.CharField(max_length=1000)
music = models.CharField(max_length=100000000)
```

Urls.py

```
from django.urls import path
from . import views

urlpatterns = [
    path('songs/', views.songs, name='songs'),
    path('songs/<int:id>', views.songpost, name='songpost'),
    path('login', views.login, name='login'),
    path('signup', views.signup, name='signup'),
    path('logout_user', views.logout_user, name='logout_user'),
    path('watchlater', views.watchlater, name='watchlater'),
    path('history', views.history, name='history'),
    path('c/<str:channel>', views.channel, name='channel'),
    path('upload', views.upload, name='upload'),
]
```

Views.py

```
from django.shortcuts import render
from musicbeats.models import Song, Watchlater, History, Channel
from django.contrib.auth.models import User
from django.contrib.auth import authenticate, login, logout
from django.shortcuts import redirect
from django.db.models import Case, When

def history(request):
```




```

if request.method == "POST":
    user = request.user
    music_id = request.POST['music_id']
    history = History(user=user, music_id=music_id)
    history.save()

    return redirect(f"/musicbeats/songs/{music_id}")

history = History.objects.filter(user=request.user)
ids = []
for i in history:
    ids.append(i.music_id)

preserved = Case(*[When(pk=pk, then=pos) for pos, pk in enumerate(ids)])
song = Song.objects.filter(song_id__in=ids).order_by(preserved)

return render(request, 'musicbeats/history.htm', {"history": song})

def watchlater(request):
    if request.method == "POST":
        user = request.user
        video_id = request.POST['video_id']

        watch = Watchlater.objects.filter(user=user)

        for i in watch:
            if video_id == i.video_id:
                message = "Your Video is Already Added"
                break
        else:
            watchlater = Watchlater(user=user, video_id=video_id)

```



```

        watchlater.save()

        message = "Your Video is Succesfully Added"

    song = Song.objects.filter(song_id=video_id).first()
    return render(request, f"musicbeats/songpost.htm", {'song': song, "message": message})

wl = Watchlater.objects.filter(user=request.user)
ids = []
for i in wl:
    ids.append(i.video_id)

preserved = Case(*[When(pk=pk, then=pos) for pos, pk in enumerate(ids)])
song = Song.objects.filter(song_id__in=ids).order_by(preserved)

return render(request, "musicbeats/watchlater.htm", {'song': song})

def songs(request):
    song = Song.objects.all()
    return render(request, 'musicbeats/songs.htm', {'song': song})

def songpost(request, id):
    song = Song.objects.filter(song_id=id).first()
    return render(request, 'musicbeats/songpost.htm', {'song': song})

def login(request):
    if request.method == "POST":
        username = request.POST['username']
        password = request.POST['password']
        user = authenticate(username=username, password=password)
        from django.contrib.auth import login
        login(request, user)

```



```
    redirect("/")

return render(request, 'musicbeats/login.htm')

def signup(request):
    if request.method == "POST":
        email = request.POST['email']
        username = request.POST['username']
        first_name = request.POST['firstname']
        last_name = request.POST['lastname']
        pass1 = request.POST['pass1']
        pass2 = request.POST['pass2']

        # if User.objects.filter(username=username).exists():
        #     messages.error(request, "Username is already taken. Please try another one !")
        #     return redirect("/")

        # if len(username) > 15:
        #     messages.error(request, "Username must be less than 15 characters")
        #     return redirect("/")

        # if not username.isalnum():
        #     messages.error(request, "Username should only contain Letters and Numbers.")

        # if pass1 != pass2:
        #     messages.error(request, "Password Do not Match. Please Sign Up Again")
        #     return redirect("/")

    myuser = User.objects.create_user(username, email, pass1)
```



```

myuser.first_name = first_name
myuser.last_name = last_name
myuser.save()
user = authenticate(username=username, password=pass1)
from django.contrib.auth import login
login(request, user)

channel = Channel(name=username)
channel.save()

return redirect('/')

return render(request, 'musicbeats/signup.htm')

def logout_user(request):
    logout(request)
    return redirect("/")

def channel(request, channel):
    chan = Channel.objects.filter(name=channel).first()
    video_ids = str(chan.music).split(" ")[1:]

    preserved = Case(*[When(pk=pk, then=pos) for pos, pk in enumerate(video_ids)])
    song = Song.objects.filter(song_id__in=video_ids).order_by(preserved)

    return render(request, "musicbeats/channel.htm", {"channel": chan, "song": song})

def upload(request):
    if request.method == "POST":
        name = request.POST['name']
        singer = request.POST['singer']

```



```

tag = request.POST['tag']
image = request.POST['image']
movie = request.POST['movie']
credit = request.POST['credit']
song1 = request.FILES['file']

song_model = Song(name=name, singer=singer, tags=tag, image=image, movie=movie,
credit=credit, song=song1)
song_model.save()

music_id = song_model.song_id
channel_find = Channel.objects.filter(name=str(request.user))
print(channel_find)

for i in channel_find:
    i.music += f" {music_id}"
    i.save()

return render(request, "musicbeats/upload.htm")

```

Main.py

```

#!/usr/bin/env python

"""Django's command-line utility for administrative tasks."""

import os
import sys

def main():
    os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'music.settings')

    try:
        from django.core.management import execute_from_command_line
    except ImportError as exc:
        raise ImportError(

```



"Couldn't import Django. Are you sure it's installed and "

"available on your PYTHONPATH environment variable? Did you "

"forget to activate a virtual environment?"

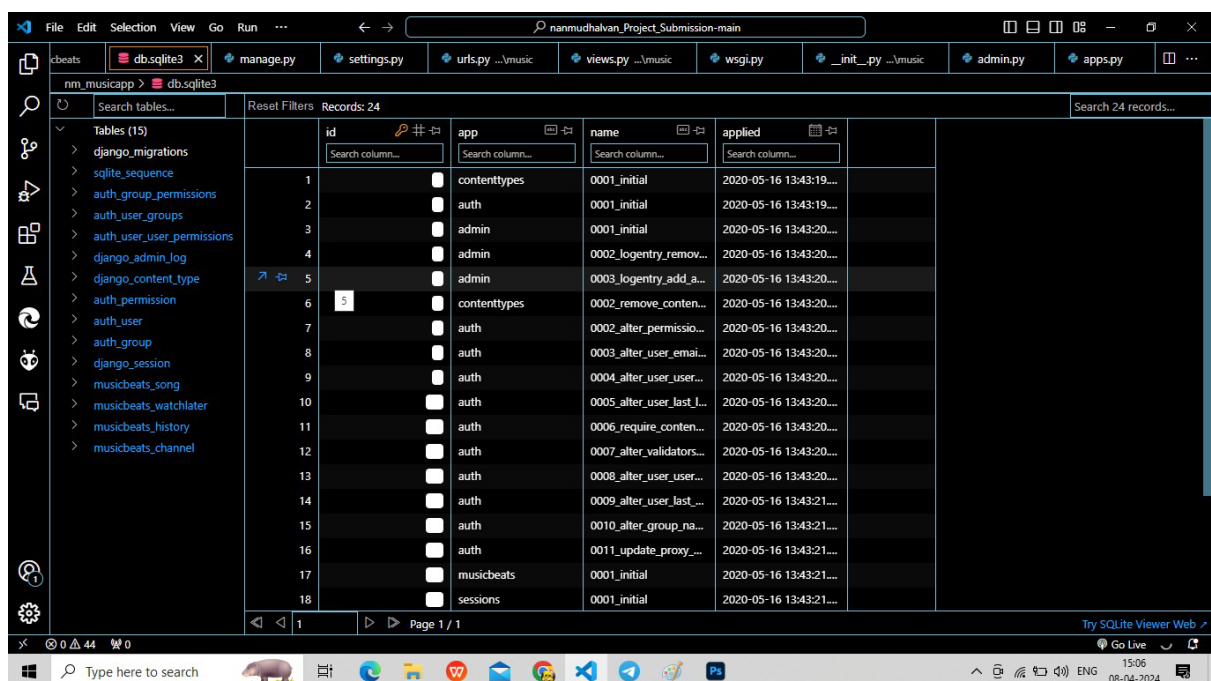
) from exc

execute_from_command_line(sys.argv)

if __name__ == '__main__':

main()

DB.SQLite3



The screenshot shows a SQLite3 database viewer interface. The database is named 'db.sqlite3' and contains a table with 24 records. The table has four columns: 'id', 'app', 'name', and 'applied'. The records represent Django migrations for various apps including contenttypes, auth, admin, and musicbeats.

id	app	name	applied
1	contenttypes	0001_initial	2020-05-16 13:43:19...
2	auth	0001_initial	2020-05-16 13:43:19...
3	admin	0001_initial	2020-05-16 13:43:20...
4	admin	0002_logentry_remove...	2020-05-16 13:43:20...
5	admin	0003_logentry_add_a...	2020-05-16 13:43:20...
6	contenttypes	0002_remove_conten...	2020-05-16 13:43:20...
7	auth	0002_alter_permissio...	2020-05-16 13:43:20...
8	auth	0003_alter_user_email...	2020-05-16 13:43:20...
9	auth	0004_alter_user_user...	2020-05-16 13:43:20...
10	auth	0005_alter_user_last_l...	2020-05-16 13:43:20...
11	auth	0006_require_conten...	2020-05-16 13:43:20...
12	auth	0007_alter_validators...	2020-05-16 13:43:20...
13	auth	0008_alter_user_user...	2020-05-16 13:43:20...
14	auth	0009_alter_user_last_...	2020-05-16 13:43:21...
15	auth	0010_alter_group_na...	2020-05-16 13:43:21...
16	auth	0011_update_proxy_...	2020-05-16 13:43:21...
17	musicbeats	0001_initial	2020-05-16 13:43:21...
18	sessions	0001_initial	2020-05-16 13:43:21...

