

Create a Django Website for Managing Songs

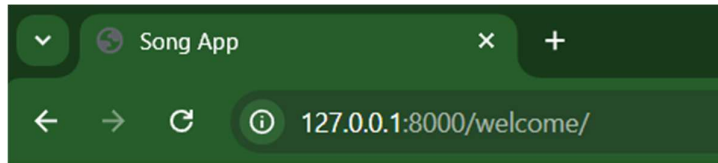
Instructions: Build a Django project with the following specifications:

Project Setup

1. You must create a Django project named **songproject**
2. Create a Django application inside it named **songapp**

Web Pages and Navigation

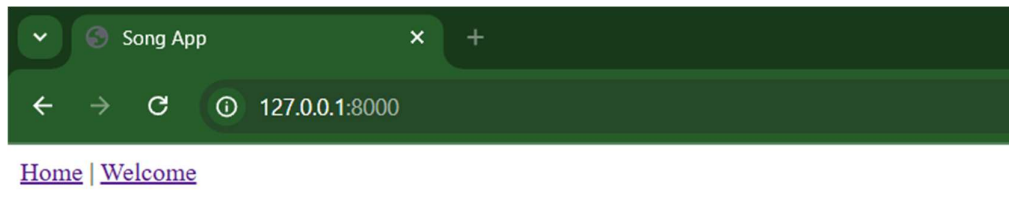
1. On every page, the website must have a **navbar** with the following links:
 - **Home** (opens table of songs)
 - **Welcome** (opens a static message page)
2. If the user clicks **Welcome**, they should be redirected to a new page showing:



Welcome to the Song Database!

This page is just a static welcome page.

3. If the user clicks **Home**, the page should display a **table of songs** with the following fields:
 - Song Name, Artist Name, Release Date, Views, Actions: (Edit | Delete | Info)



All Songs

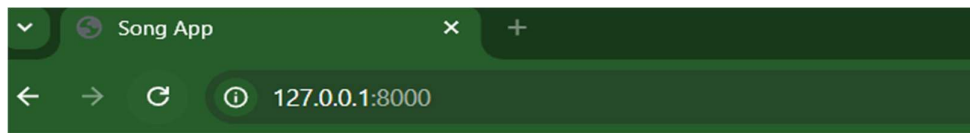
[Add New Song](#)

Song	Artist	Release	Views	Actions
Blinding Lights	The Weeknd	May 12, 2017	5500000	Edit Delete Info
Shape of You	Ed Sheeran	Dec. 1, 2017	8000000	Edit Delete Info
Levitating	Dua Lipa	Oct. 1, 2010	4300000	Edit Delete Info
Perfect	Ed Sheeran	March 3, 2017	9000000	Edit Delete Info
Stay	The Kid LAROI	July 9, 2017	7000000	Edit Delete Info

➤ Functional Requirements

1. home

- Display all songs from the database in a table
- Add a **search box** that searches by **song name or artist name**



[Home](#) | [Welcome](#)

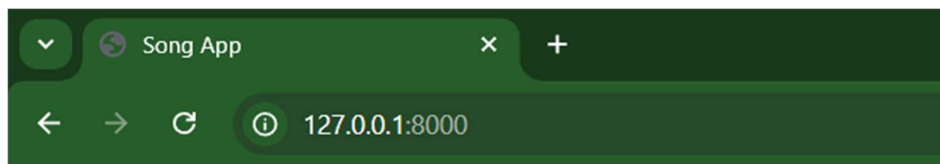
All Songs

Perfect

[Add New Song](#)

Song	Artist	Release	Views	Actions
Blinding Lights	The Weeknd	May 12, 2017	5500000	Edit Delete Info
Shape of You	Ed Sheeran	Dec. 1, 2017	8000000	Edit Delete Info
Levitating	Dua Lipa	Oct. 1, 2010	4300000	Edit Delete Info
Perfect	Ed Sheeran	March 3, 2017	9000000	Edit Delete Info
Stay	The Kid LAROI	July 9, 2017	7000000	Edit Delete Info

Enter song or artist name in search box.



[Home](#) | [Welcome](#)

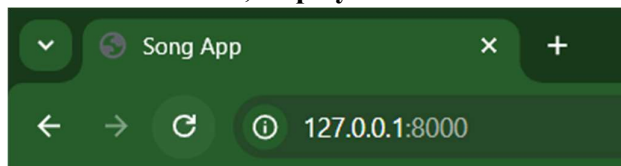
All Songs

Search by song or artist

[Add New Song](#)

Song	Artist	Release	Views	Actions
Perfect	Ed Sheeran	March 3, 2017	9000000	Edit Delete Info

If no results found, display:



[Home](#) | [Welcome](#)

All Songs

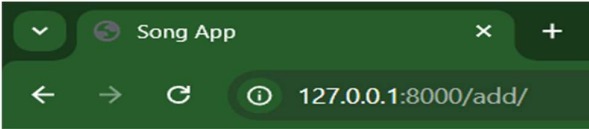
Search by song or artist

[Add New Song](#)

No Data

2. add_song

- Display a form (HTML only, not using forms.py) to add a new song with fields:
 - Song Name, Artist Name, Release Date, URL, Views
- Save the data to the database and return to the home page



[Home](#) | [Welcome](#)

Add New Song

Levitating

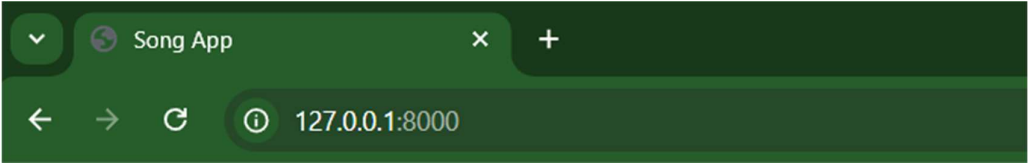
MVT

15 - 07 - 2025

https://www.youtube.com/w

50

Add



[Home](#) | [Welcome](#)

All Songs

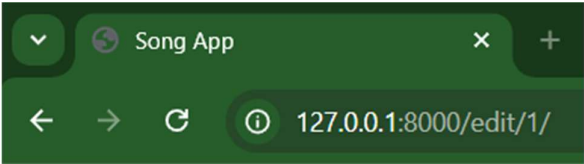
Search by song or artist

Search

[Add New Song](#)

Song	Artist	Release	Views	Actions
Blinding Lights	The Weeknd	May 12, 2017	5500000	Edit Delete Info
Shape of You	Ed Sheeran	Dec. 1, 2017	8000000	Edit Delete Info
Levitating	Dua Lipa	Oct. 1, 2010	4300000	Edit Delete Info
Perfect	Ed Sheeran	March 3, 2017	9000000	Edit Delete Info
Stay	The Kid LAROI	July 9, 2017	7000000	Edit Delete Info
Levitating	MVT	July 15, 2025	50	Edit Delete Info

3. edit_song
- Allow the user to edit song details using a form (HTML only, not using forms.py)
 - Save changes and redirect to the home page



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Edit Song

Blinding Lights

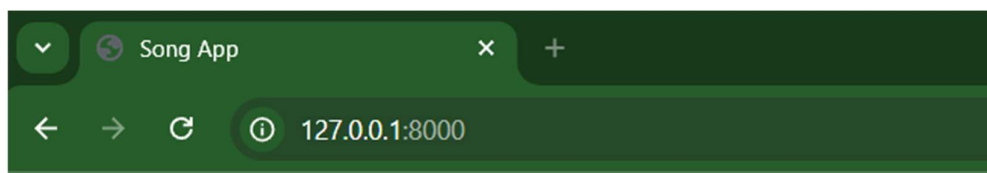
The Weeknd

dd - mm - yyyy

https://www.youtube.com/w

5500000

Update



[Home](#) | [Welcome](#)

All Songs

[Add New Song](#)

Song	Artist	Release	Views	Actions
Blinding Lights	The Weeknd	July 15, 2025	5500000	Edit Delete Info
Shape of You	Ed Sheeran	Dec. 1, 2017	8000000	Edit Delete Info
Levitating	Dua Lipa	Oct. 1, 2010	4300000	Edit Delete Info
Perfect	Ed Sheeran	March 3, 2017	9000000	Edit Delete Info
Stay	The Kid LAROI	July 9, 2017	7000000	Edit Delete Info
Levitating	MVT	July 15, 2025	50	Edit Delete Info

Blinding Lights	The Weeknd	July 15, 2025	5500000	Edit Delete Info
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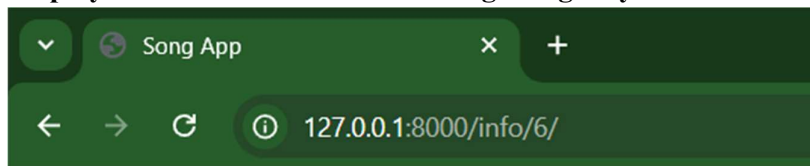
Here date is update by edit

4. delete_song

- Delete a selected song from the database(When the 'Delete' button is clicked, the selected song will be permanently removed from the database.)

5. song_info

- Display detailed information of a song using a dynamic URL like /info/2/



[Home](#) | [Welcome](#)

Song Information

Song: Levitating

Artist: MVT

Release Date: July 15, 2025

URL: <https://www.youtube.com/watch?v=4NRXx6U8ABQ>

Views: 50