CST 336
Final Project
Team 6
12/12/2023

Final Project – Movie & TV Show Playlist App

Description

The objective of this project was to create a movie playlist tool that allows the user to create and store personal playlists of movies and television series.

Task Distribution

Nathan Nawrocki : Team Lead
Matthew Perona : Playlists
Conner Jordan : Playlist Elements + Front End

We focused on our individual areas but spent considerable time in overlapping roles to tackle the various tasks that needed addressing as the project progressed. Nathan set up the original framework and databases. Conner and Matthew worked on fleshing out the various elements and dealt with a number of troubleshooting issues along the way. Nathan did a final pass and polish to ensure that everything was performing appropriately and the various rubric items were met.

Design Changes

There were few changes from the original design, owed in large part to the forethought given to the project by Nathan. The biggest one is that the nature of the project didn't require too many interactable fields, so we added some personal customization elements that were a bit outside the original scope, but served to fulfill the rubric requirements.

API Calls

There are numerous fetch calls made in the api.js file using the Axios library. Here are a few examples:

createUser(userName):

- Endpoint: `/api/user`
- Method: `POST`
- Purpose: Creates a new user with the specified `userName`.

editPlaylist(playlistId, updatedPlaylistName, updatedPlaylistOrder, updatedColor):

- Endpoint: `/edit-playlist/${playlistId}`
- Method: `POST`
- Purpose: Edits an existing playlist with the provided `playlistId`, updating its name (`updatedPlaylistName`), order (`updatedPlaylistOrder`), and color (`updatedColor`).
-

createPlaylist(playlistName, userId):

- Endpoint: `/api/playlist/new`
- Method: `POST`
- Purpose: Creates a new playlist with the specified `playlistName` and associated `userId`.
-

deletePlaylist(playlistId):

- Endpoint: `/api/playlist/${playlistId}`
- Method: `DELETE`
- Purpose: Deletes the playlist with the specified `playlistId`.

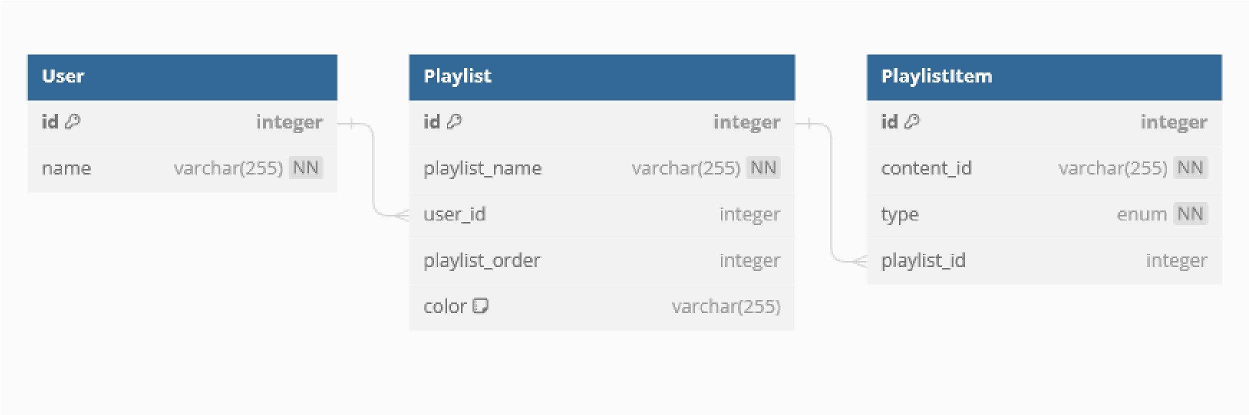
getPlaylists(userId):

- Endpoint: `/api/playlist/${userId}`
- Method: `GET`
- Purpose: Retrieves playlists associated with the specified `userId`, ordered by `playlist_order`.

searchCinemeta(searchTerm):

- Endpoint: `/api/search/${encodeURIComponent(searchTerm)}`
- Method: `GET`
- Purpose: Searches for movies and series using the specified `searchTerm`.

Database Schema



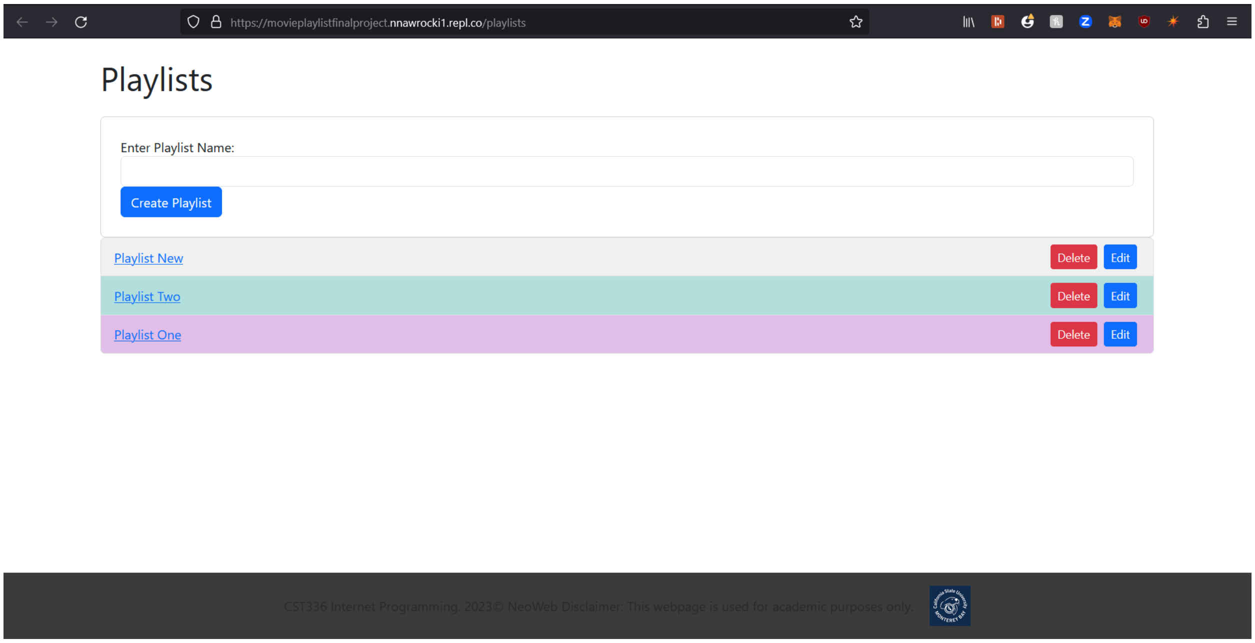
User		
id 🔑	integer	
name	varchar(255)	NN

Playlist		
id 🔑	integer	
playlist_name	varchar(255)	NN
user_id	integer	
playlist_order	integer	
color 🗒	varchar(255)	

PlaylistItem		
id 🔑	integer	
content_id	varchar(255)	NN
type	enum	NN
playlist_id	integer	

Screenshots

Playlists:



https://movieplaylistfinalproject.nnawrocki1.repl.co/playlists

Playlists

Enter Playlist Name:

Playlist New

Playlist Two

Playlist One

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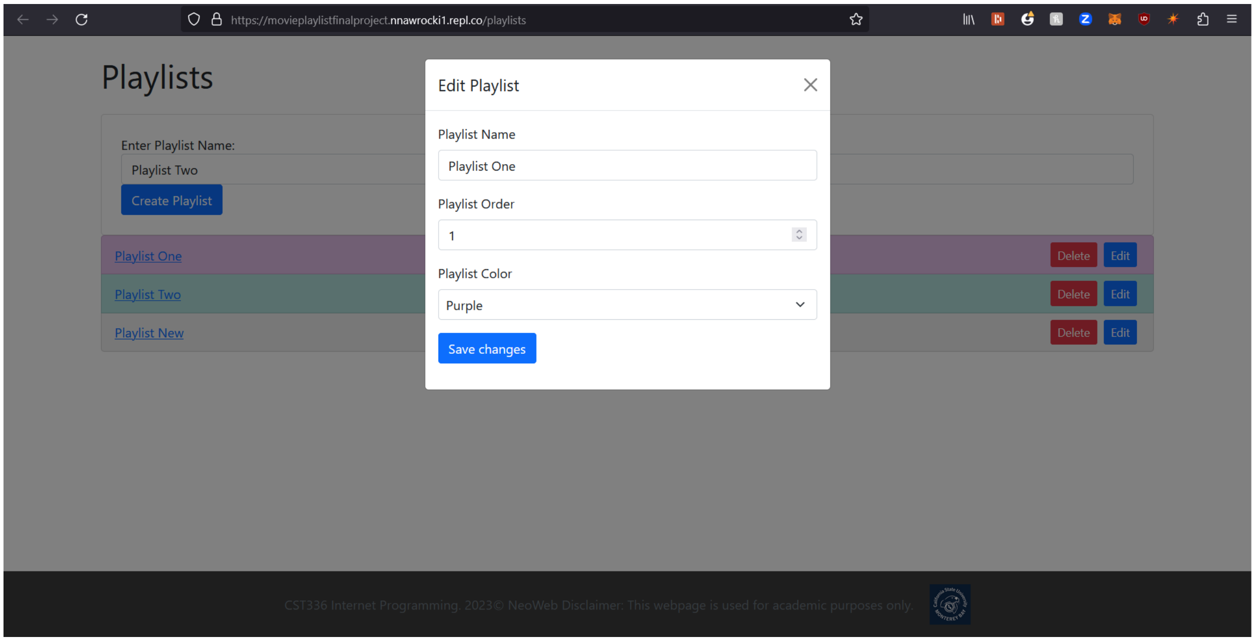
Form elements:

Text Input, Number Input, Menu



https://movieplaylistfinalproject.nnawrocki1.repl.co/playlists

Playlists

Enter Playlist Name: Playlist Two

Playlist One

Playlist Two

Playlist New

Edit Playlist

Playlist Name: Playlist One

Playlist Order: 1

Playlist Color: Purple

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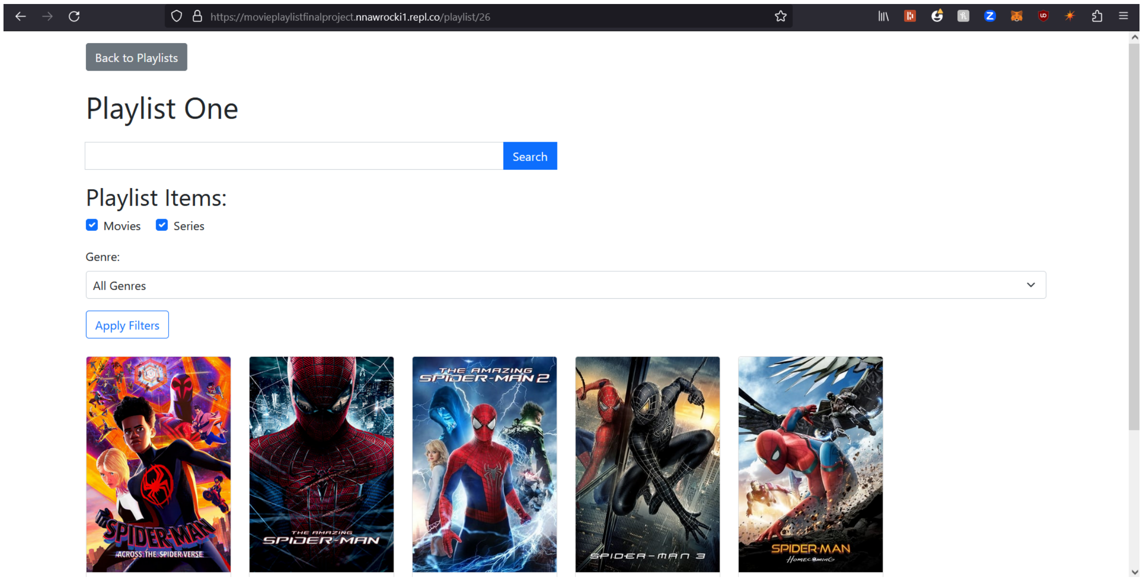
Text Input, Check Box, Menu



https://movieplaylistfinalproject.nnawrocki1.repl.co/playlist/26

Back to Playlists

Playlist One

Search

Playlist Items:

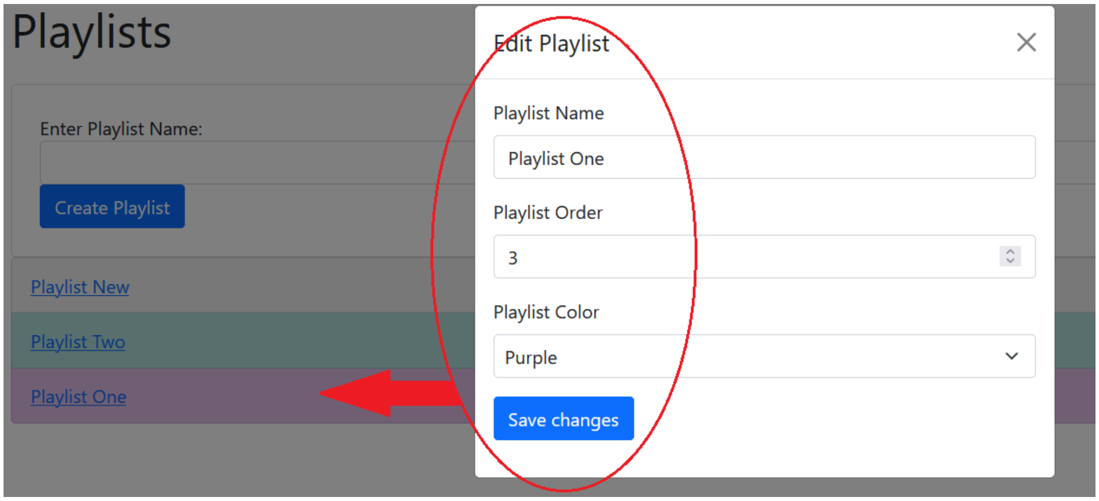
☑ Movies ☑ Series

Genre:

All Genres

Apply Filters

Update Records:



Playlists

Enter Playlist Name:

Create Playlist

Playlist New

Playlist Two

Playlist One

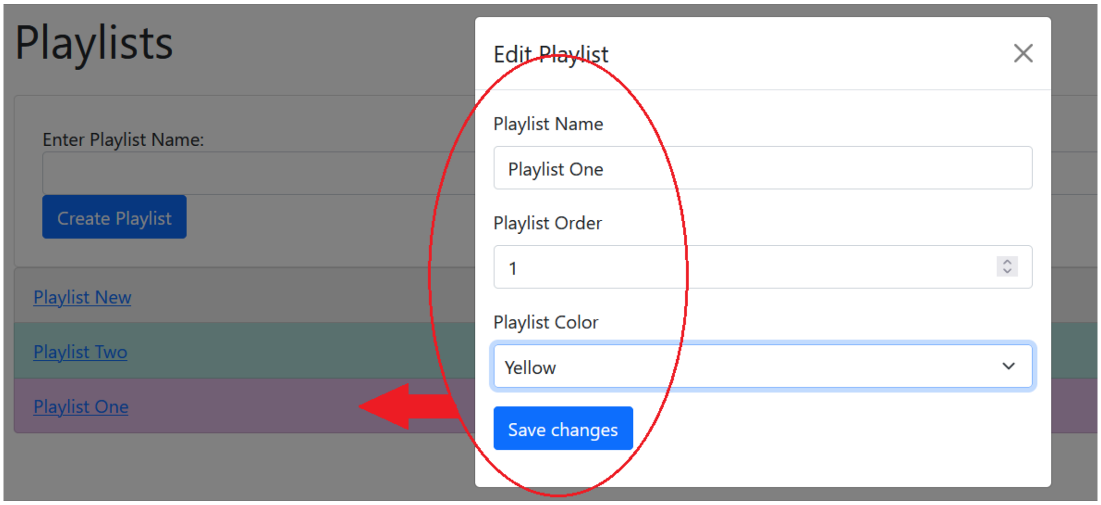
Edit Playlist

Playlist Name: Playlist One

Playlist Order: 3

Playlist Color: Purple

Save changes



Playlists

Enter Playlist Name:

Create Playlist

Playlist New

Playlist Two

Playlist One

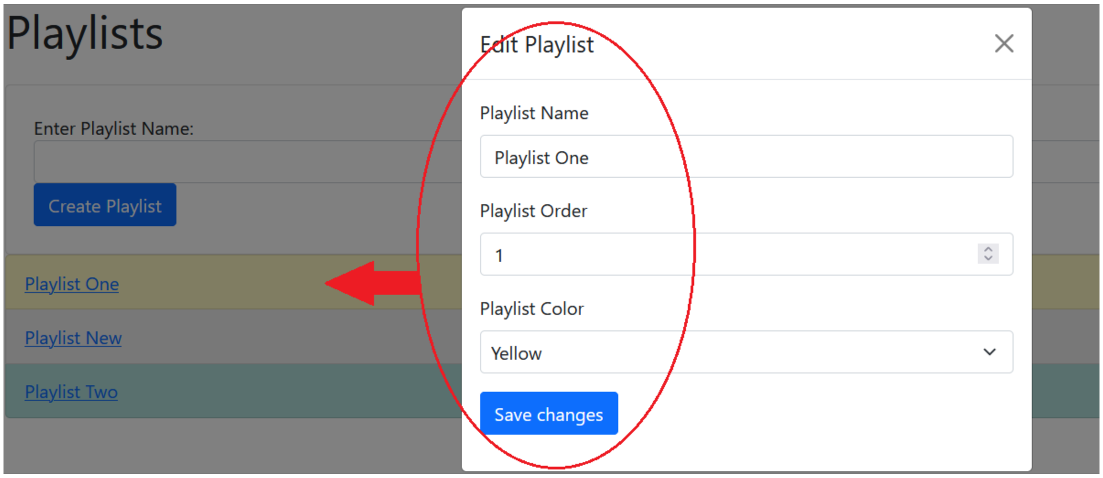
Edit Playlist

Playlist Name: Playlist One

Playlist Order: 1

Playlist Color: Yellow

Save changes



Playlists

Enter Playlist Name:

Playlist One

Playlist New

Playlist Two

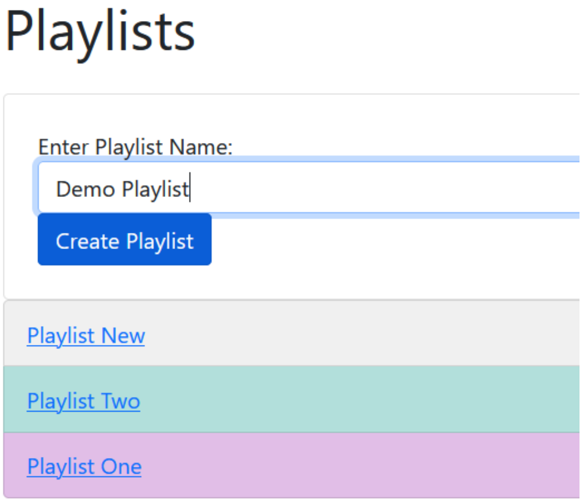
Edit Playlist

Playlist Name: Playlist One

Playlist Order: 1

Playlist Color: Yellow

Adding Records to Database:
Adding new playlists



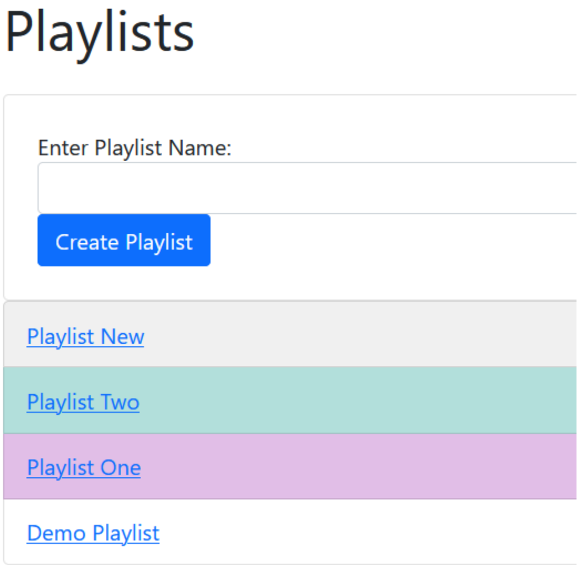
Playlists

Enter Playlist Name: Demo Playlist

Playlist New

Playlist Two

Playlist One



Playlists

Enter Playlist Name:

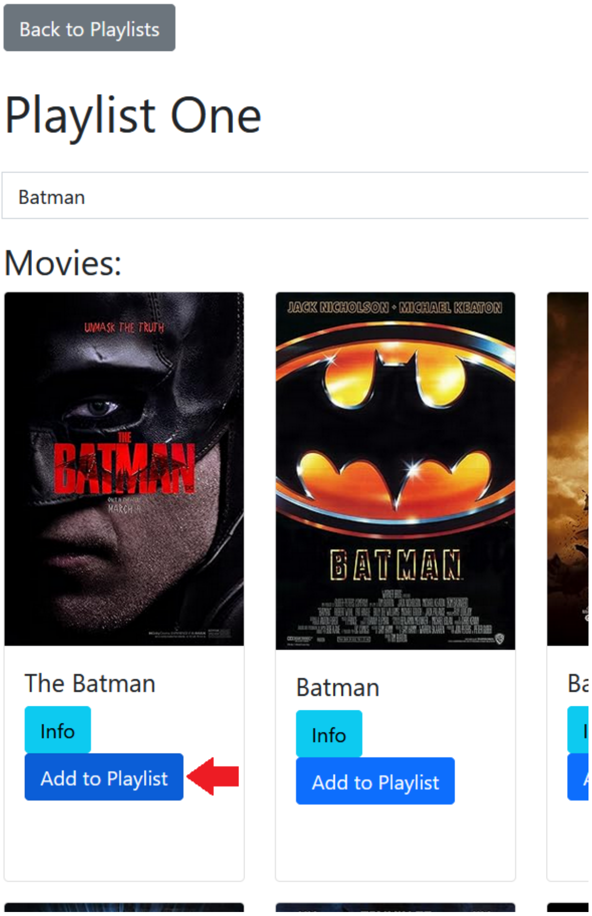
Playlist New

Playlist Two

Playlist One

Demo Playlist

Adding movies to playlist



Playlist One

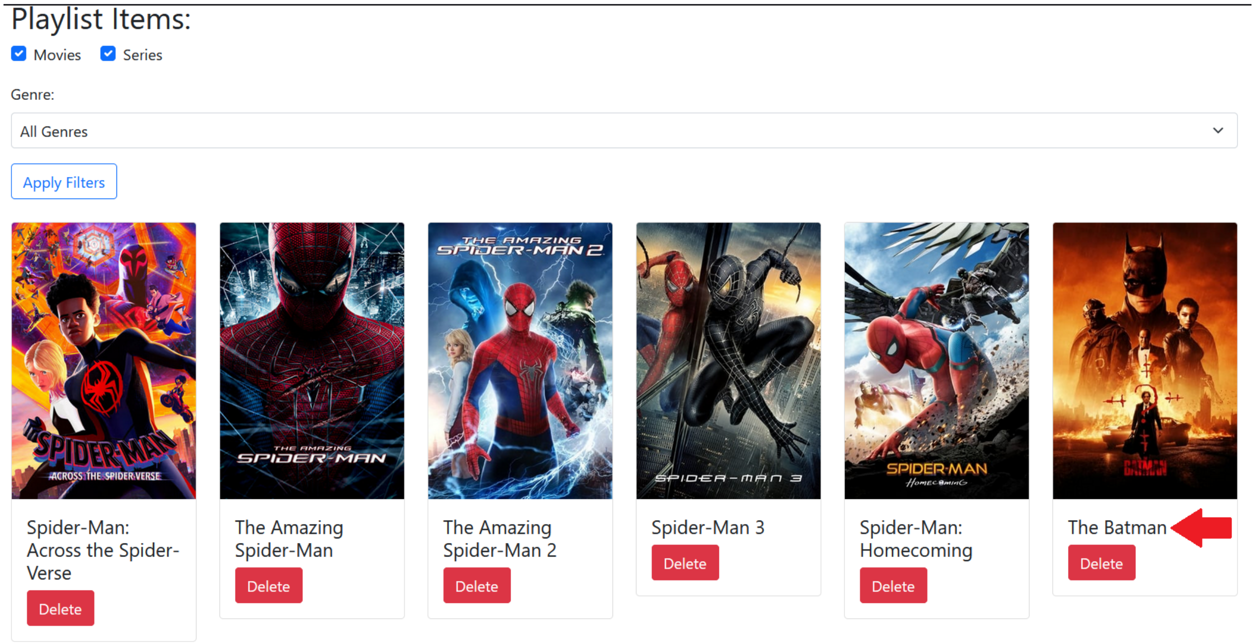
Batman

Movies:

The Batman

Batman

Ba


Playlist Items:

☑ Movies ☑ Series

Genre:

All Genres

Spider-Man: Across the Spider-Verse

The Amazing Spider-Man

The Amazing Spider-Man 2

Spider-Man 3

Spider-Man: Homecoming

The Batman