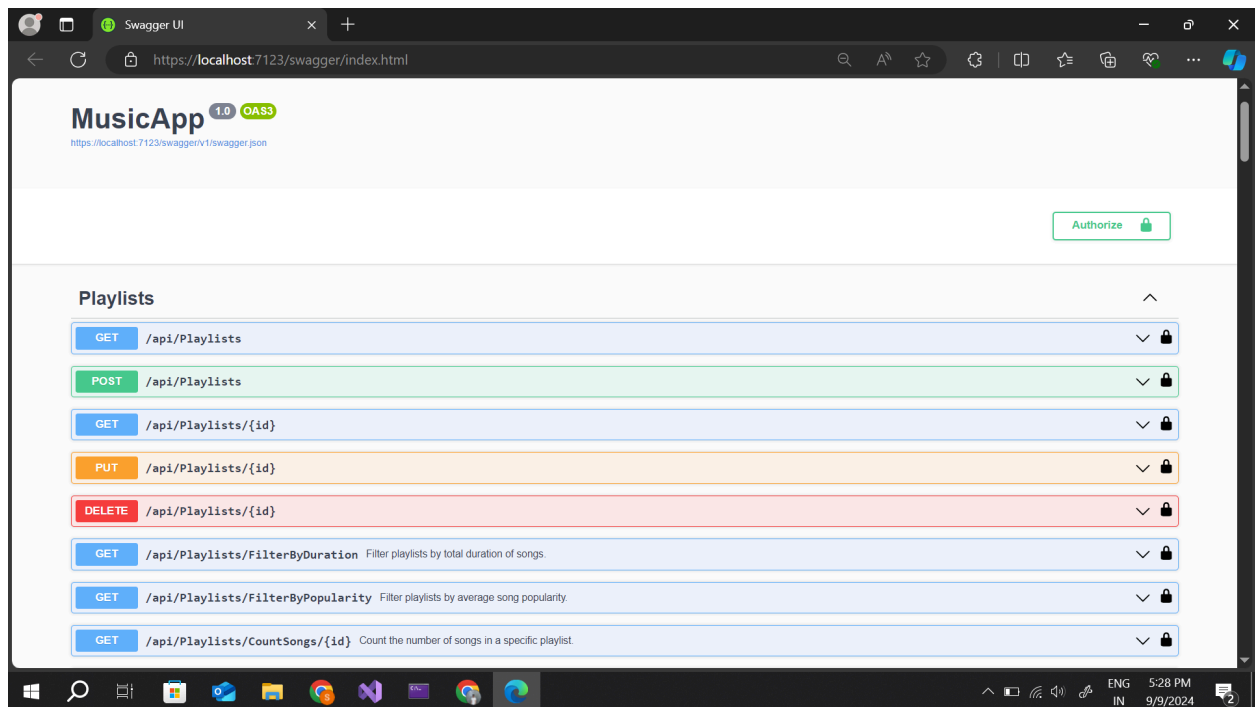


# Music Application

## Api Web Application

Siddarth S

### List of APIs:



Swagger UI

https://localhost:7123/swagger/index.html

GET /api/Playlists/TotalDuration/{id} Calculate the total duration of a specific playlist.

GET /api/Playlists/CountPlaylistsByCriteria Count the number of playlists that match certain criteria.

GET /api/Playlists/Search Search playlists by name, song title, or description.

GET /api/Playlists/SortBy Sort songs by duration, or songCount.

### Songs

GET /api/Songs Get the songs list.

POST /api/Songs Add the songs to the playlist.

GET /api/Songs/{id} Get the song by id.

PUT /api/Songs/{id} Edit the songs list.

DELETE /api/Songs/{id} Hit this to Delete the song.

GET /api/Songs/play/{id} Download and play the song.

GET /api/Songs/Search Search songs by title, duration, or popularity.

GET /api/Songs/FilterByDuration Filter songs by duration range.

GET /api/Songs/FilterByPopularity Filter songs by popularity range.

Swagger UI

https://localhost:7123/swagger/index.html

GET /api/Songs/Search Search songs by title, duration, or popularity.

GET /api/Songs/FilterByDuration Filter songs by duration range.

GET /api/Songs/FilterByPopularity Filter songs by popularity range.

GET /api/Songs/SortBy Sort songs by title, duration, or popularity.

GET /api/Songs/CountByCriteria Count the number of songs matching specific criteria.

### Token

POST /api/Token

### ValidUsers

GET /api/ValidUsers

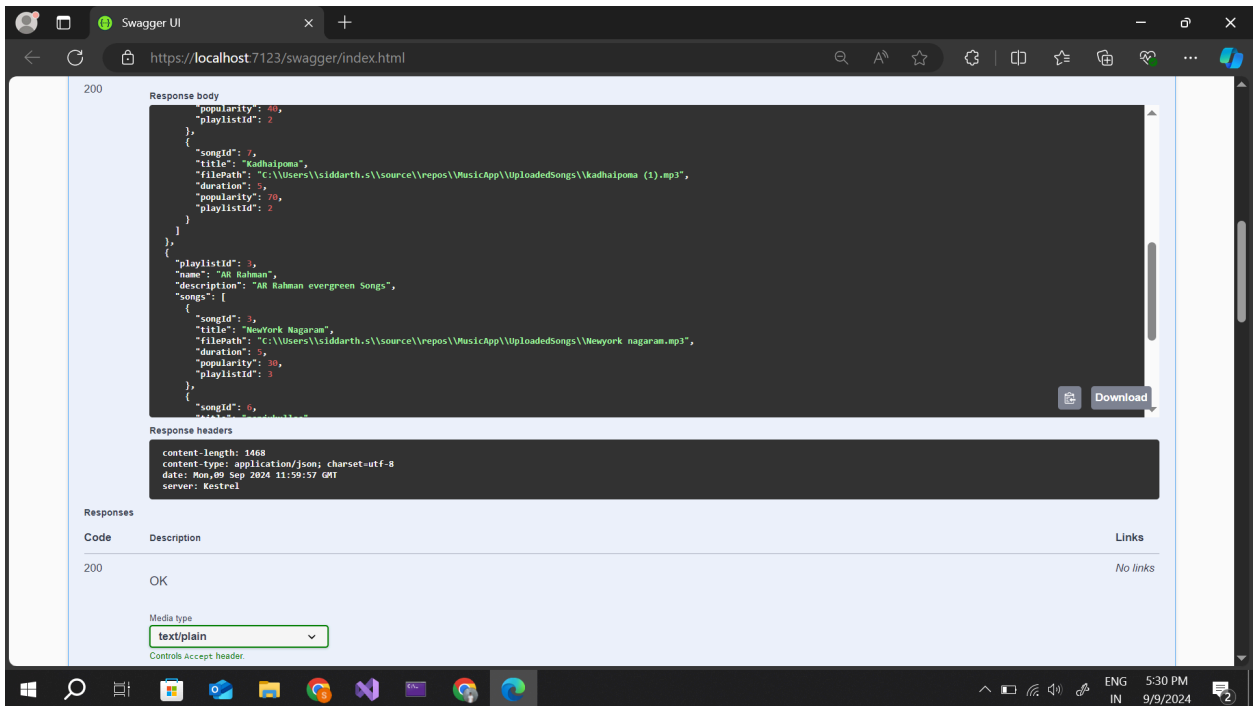
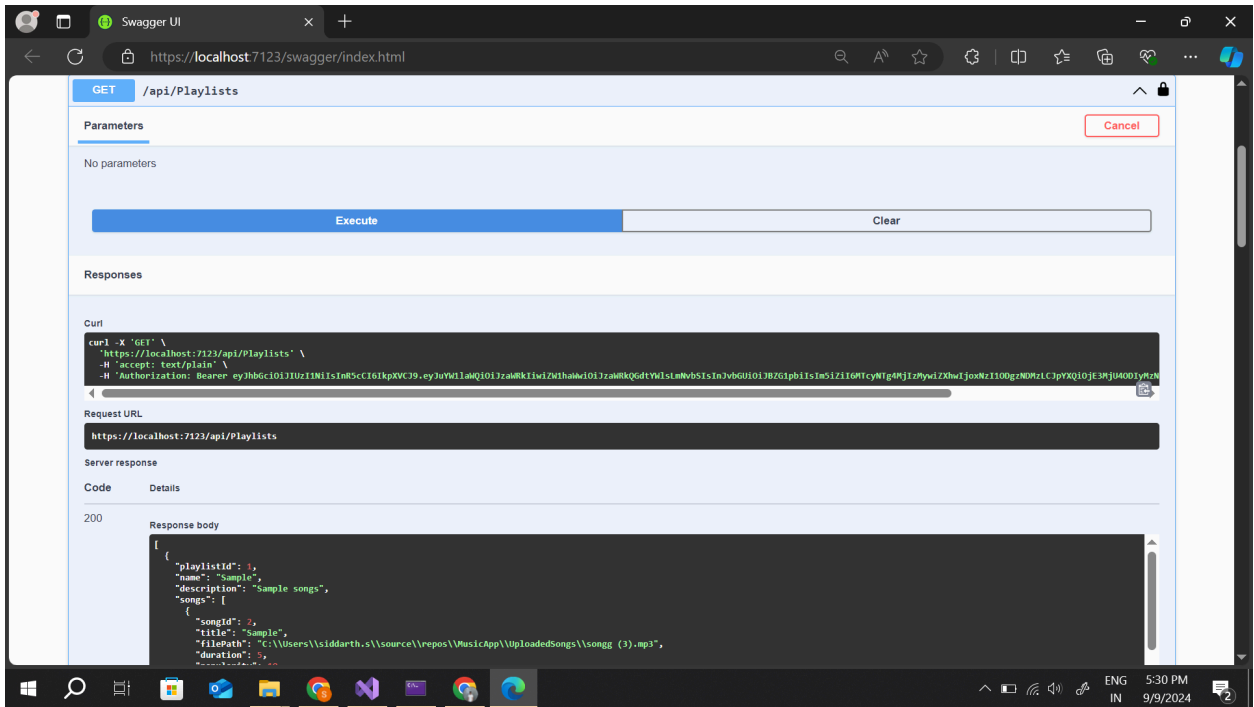
POST /api/ValidUsers

GET /api/ValidUsers/{id}

PUT /api/ValidUsers/{id}

DELETE /api/ValidUsers/{id}

## Get Playlist



# Download:

Swagger UI interface for the GET /api/Songs/play/{id} endpoint. The 'id' parameter is set to 5. A 'Downloads' window is open, showing two downloaded files: 'mudhal nee mudivum nee (3).mp3' and 'mudhal nee mudivum nee (2).mp3'. The 'Execute' button is visible.

Parameters

Name	Description
id	Integer(\$int32)

Responses

Code

200

Response body

[Download file](#)

Request URL

https://localhost:7123/api/Songs/play/5

Server response

Code

Details

200

Response body

[Download file](#)

Response headers

Swagger UI interface for the GET /api/Songs/FilterByDuration endpoint. The 'minDuration' parameter is set to 0 and the 'maxDuration' parameter is set to 5. The 'Execute' button is visible.

Parameters

Name	Description
minDuration	Integer(\$int32)
maxDuration	Integer(\$int32)

Responses

Code

Details

200

Response body

[Download file](#)

Request URL

https://localhost:7123/api/Songs/FilterByDuration?minDuration=0&maxDuration=5

Server response

Code

Details

200

Response body

[Download file](#)

Response headers

Swagger UI

https://localhost:7123/swagger/index.html

200

Response body

```
{
  "filePath": "C:\\Users\\siddarth.s\\source\\repos\\MusicApp\\UploadedSongs\\Menyork nagaram.mp3",
  "duration": 5,
  "popularity": 30,
  "playlistId": 3,
  "playlist": null
},
{
  "songId": 4,
  "title": "Oru Devathai",
  "filePath": "C:\\Users\\siddarth.s\\source\\repos\\MusicApp\\UploadedSongs\\Oru devathai.mp3",
  "duration": 4,
  "popularity": 50,
  "playlistId": 2,
  "playlist": null
},
{
  "songId": 5,
  "title": "mudhal nee mudivum nee",
  "filePath": "C:\\Users\\siddarth.s\\source\\repos\\MusicApp\\UploadedSongs\\mudhal nee mudivum nee.mp3",
  "duration": 4,
  "popularity": 40,
  "playlistId": 2,
  "playlist": null
},
{
  "songId": 6,
  "title": "nenjukulae",
  "filePath": "C:\\Users\\siddarth.s\\source\\repos\\MusicApp\\UploadedSongs\\Menjukulae.mp3",
  "duration": 4,
  "popularity": 40,
  "playlistId": 2,
  "playlist": null
}
}
```

Download

Response headers

```
content-length: 1342
content-type: application/json; charset=utf-8
date: Mon, 09 Sep 2024 12:01:20 GMT
server: Kestrel
```

Responses

Code	Description	Links
200	OK	No links

Media type  
text/plain

Windows taskbar with icons for Start, Search, Task View, File Explorer, Microsoft Edge, Google Chrome, Visual Studio Code, and other applications. System tray shows network, volume, and power icons, along with the date and time: 5:31 PM, 9/9/2024.