

Web Engineering Spotify tracks API

This is the specification for the web engineering project of group 63.

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Access

Methods

[[Jump to Models](#)]

Table of Contents

[Artists](#)

- [GET /artists](#)
- [DELETE /artists/songs/id/{id}](#)
- [GET /artists/songs/id/{id}](#)
- [DELETE /artists/songs/name/{name}](#)
- [GET /artists/songs/name/{name}](#)
- [GET /artists/summary/id/{id}](#)
- [GET /artists/summary/name/{name}](#)

[Songs](#)

- [GET /songs](#)
- [DELETE /songs/id/{id}](#)
- [GET /songs/id/{id}](#)
- [PUT /songs/id/{id}](#)
- [GET /songs/name/{name}](#)
- [POST /songs](#)

Artists

[Up](#)

GET /artists

Retrieves a list of the top N artists in batches of M (**artistsGet**)

Retrieves a list of artists by popularity

Query parameters

N (required)

Query Parameter — Return top N items by popularity

year (required)

Query Parameter — Filtering result by year

type (optional)

Query Parameter — Type of content to be returned default: json

Return type

array[[Artist](#)]

Example data

Content-Type: application/json

```
[ {
  "summary" : {
    "number_of_songs" : 0
  },
  "songs" : [ {
    "release_date" : "release_date",
    "popularity" : 0,
    "name" : "name",
    "id" : "id"
  }, {
    "release_date" : "release_date",
    "popularity" : 0,
    "name" : "name",
    "id" : "id"
  } ],
  "name" : "name",
  "id" : "id"
}, {
  "summary" : {
    "number_of_songs" : 0
  },
  "songs" : [ {
    "release_date" : "release_date",
    "popularity" : 0,
    "name" : "name",
    "id" : "id"
  }, {
    "release_date" : "release_date",
    "popularity" : 0,
    "name" : "name",
    "id" : "id"
  } ],
  "name" : "name",
  "id" : "id"
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

200

204

List empty; no results

400

Request was not well-formed, see error details [inline response 400](#)

5XX

Server error; no results, try again later

[Up](#)

DELETE /artists/songs/id/{id}

Deletes a list of songs featuring a selected artist (**artistsSongsIdIdDelete**)

Deletes all songs featuring the artist with the given id or name

Path parameters

id (required)

Path Parameter – The id of the artist

Query parameters

type (optional)

Query Parameter – Type of content to be returned default: json

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

204

Songs deleted successfully

400

Request was not well-formed, see error details [inline response 400](#)

404

Resource not found

5XX

Server error; no results, try again later

[Up](#)

GET /artists/songs/id/{id}

Retrieves a list of songs featuring a selected artist (**artistsSongsIdIdGet**)

Retrieves all songs featuring the artist with the given id

Path parameters

id (required)

Path Parameter – The id of the artist

Query parameters

type (optional)

Query Parameter – Type of content to be returned default: json

Return type

array[[SongSummary](#)]

Example data

Content-Type: application/json

```
[ {
  "release_date" : "release_date",
  "popularity" : 0,
  "name" : "name",
  "id" : "id"
}, {
  "release_date" : "release_date",
  "popularity" : 0,
  "name" : "name",
```

```
"id" : "id"
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

200

204

List empty; no results

400

Request was not well-formed, see error details [inline response 400](#)

404

Resource not found

5XX

Server error; no results, try again later

[Up](#)

DELETE /artists/songs/name/{name}

Deletes a list of songs featuring a selected artist (**artistsSongsNameNameDelete**)

Deletes all songs featuring the artist with the given id or name

Path parameters

name (required)

Path Parameter – The name of the artist

Query parameters

type (optional)

Query Parameter – Type of content to be returned default: json

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

204

Songs deleted successfully

400

Request was not well-formed, see error details [inline response 400](#)

404

Resource not found

5XX

Server error; no results, try again later

[Up](#)

GET /artists/songs/name/{name}

Retrieves a list of songs featuring a selected artist (**artistsSongsNameNameGet**)

Retrieves all songs featuring the artist with the given name

Path parameters

name (required)

Path Parameter – The name of the artist

Query parameters

type (optional)

Query Parameter – Type of content to be returned default: json

Return type

array[[SongSummary](#)]

Example data

Content-Type: application/json

```
[ {
  "release_date" : "release_date",
  "popularity" : 0,
  "name" : "name",
  "id" : "id"
}, {
  "release_date" : "release_date",
  "popularity" : 0,
  "name" : "name",
  "id" : "id"
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

200

204

List empty; no results

400

Request was not well-formed, see error details [inline response 400](#)

404

Resource not found

5XX

Server error; no results, try again later

[Up](#)

GET /artists/summary/id/{id}

Retrieves summary information on the artist (**artistsSummaryIdIdGet**)

Retrieves summary information on the artist with the given id or name

Path parameters

id (required)

Path Parameter – The id of the artist

Query parameters

type (optional)

Query Parameter – Type of content to be returned default: json

Return type

Artist/properties/summary

Example data

Content-Type: application/json

```
"{}"
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

200

[Artist/properties/summary](#)

204

List empty; no results

400

Request was not well-formed, see error details [inline response 400](#)

404

Resource not found

5XX

Server error; no results, try again later

[Up](#)

GET /artists/summary/name/{name}

Retrieves summary information on the artist (**artistsSummaryNameNameGet**)

Retrieves summary information on the artist with the given id or name

Path parameters

name (required)

Path Parameter – The name of the artist

Query parameters

type (optional)

Query Parameter – Type of content to be returned default: json

Return type

Artist/properties/summary

Example data

Content-Type: application/json

```
"{}"
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

200

[Artist/properties/summary](#)

204

List empty; no results

400

Request was not well-formed, see error details [inline response 400](#)

404

Resource not found

5XX

Server error; no results, try again later

Songs

[Up](#)

GET /songs

Retrieves a list of the top N songs in batches of M (**songsGet**)

Retrieves a list of songs by popularity

Query parameters

N (required)

Query Parameter — Return top N items by popularity

year (required)

Query Parameter — Filtering result by year

type (optional)

Query Parameter — Type of content to be returned default: json

Return type

array[[Song](#)]

Example data

Content-Type: application/json

```
[ {
  "duration_ms" : 6,
  "artists" : [ {
    "name" : "name",
    "id" : "id"
  }, {
    "name" : "name",
    "id" : "id"
  } ],
  "release_date" : "release_date",
  "popularity" : 0,
  "name" : "name",
  "id" : "id"
}, {
  "duration_ms" : 6,
  "artists" : [ {
    "name" : "name",
    "id" : "id"
  }, {
    "name" : "name",
    "id" : "id"
  } ],
  "release_date" : "release_date",
```

```
"popularity" : 0,  
"name" : "name",  
"id" : "id"  
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

200

204

List empty; no results

400

Request was not well-formed, see error details [inline response 400](#)

5XX

Server error; no results, try again later

[Up](#)

DELETE /songs/id/{id}

Delete a song (**songsIdIdDelete**)

Deletes the song with the given id

Path parameters

id (required)

Path Parameter — The id of the song

Query parameters

type (optional)

Query Parameter — Type of content to be returned default: json

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

204

Song deleted successfully

400

Request was not well-formed, see error details [inline response 400](#)

404

Resource not found

5XX

Server error; no results, try again later

[Up](#)

GET /songs/id/{id}

Retrieve a selected song (**songsIdIdGet**)

Retrieves the song with the given id

Path parameters

id (required)

Path Parameter – The id of the song

Query parameters

type (optional)

Query Parameter – Type of content to be returned default: json

Return type

[Song](#)

Example data

Content-Type: application/json

```
{
  "duration_ms" : 6,
  "artists" : [ {
    "name" : "name",
    "id" : "id"
  }, {
    "name" : "name",
    "id" : "id"
  } ],
  "release_date" : "release_date",
  "popularity" : 0,
  "name" : "name",
  "id" : "id"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

200

[Song](#)

400

Request was not well-formed, see error details [inline response 400](#)

404

Resource not found

5XX

Server error; no results, try again later

[Up](#)

PUT /songs/id/{id}

Update a song (**songsIdIdPut**)

Updates the song with the given id

Path parameters

id (required)

Path Parameter – The id of the song

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [Song](#) (required)
Body Parameter —

Query parameters

type (optional)
Query Parameter — Type of content to be returned default: json

Return type

[Song](#)

Example data

Content-Type: application/json

```
{
  "duration_ms" : 6,
  "artists" : [ {
    "name" : "name",
    "id" : "id"
  }, {
    "name" : "name",
    "id" : "id"
  } ],
  "release_date" : "release_date",
  "popularity" : 0,
  "name" : "name",
  "id" : "id"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

200

Song updated, returns the new state [Song](#)

400

Request was not well-formed, see error details [inline response 400](#)

404

Resource not found

5XX

Server error; no results, try again later

[Up](#)

GET /songs/name/{name}

Retrieves a list of songs by given name ([songsNameNameGet](#))

Retrieves a list of songs

Path parameters

name (required)

Path Parameter – The name of the song

Query parameters

type (optional)

Query Parameter – Type of content to be returned default: json

Return type

array[[Song](#)]

Example data

Content-Type: application/json

```
[ {
  "duration_ms" : 6,
  "artists" : [ {
    "name" : "name",
    "id" : "id"
  }, {
    "name" : "name",
    "id" : "id"
  } ],
  "release_date" : "release_date",
  "popularity" : 0,
  "name" : "name",
  "id" : "id"
}, {
  "duration_ms" : 6,
  "artists" : [ {
    "name" : "name",
    "id" : "id"
  }, {
    "name" : "name",
    "id" : "id"
  } ],
  "release_date" : "release_date",
  "popularity" : 0,
  "name" : "name",
  "id" : "id"
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

200

204

List empty; no results

400

Request was not well-formed, see error details [inline response 400](#)

5XX

Server error; no results, try again later

POST /songs

Up

Creates a song (**songsPost**)

Creates a new song with the given information

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json
- text/csv

Request body

body [Song](#) (required)

Body Parameter —

Return type

String

Example data

Content-Type: application/json

""

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- text/csv

Responses

201
Song successfully created [String](#)

400
Request was not well-formed, see error details [inline_response_400](#)

404
Resource not found

5XX
Server error; no results, try again later

Models

[[Jump to Methods](#)]

Table of Contents

1. [Artist](#)
2. [ArtistSummary](#)
3. [Artist_summary](#)
4. [Song](#)
5. [SongSummary](#)
6. [inline_response_400](#)

Artist

id

[String](#)

name (optional)

[String](#)

songs (optional)

Up

02-02-2023 23:49		Web Engineering Spotify tracks API	
array[<i>SongSummary</i>] summary (optional) Artist summary			
ArtistSummary			Up
id String name (optional) String			
Artist_summary			Up
number_of_songs (optional) Integer earliest_release (optional) SongSummary latest_release (optional) SongSummary most_popular_song (optional) SongSummary			
Song			Up
id String name (optional) String popularity (optional) Integer duration_ms (optional) Integer artists (optional) array[ArtistSummary] release_date (optional) String			
SongSummary			Up
id String name (optional) String popularity (optional) Integer release_date (optional) String			
inline_response_400			Up

error-message (optional)

String Error message detailing the problem with the request