API Specification Doc

(*Music Search Engine Project*)

Version	Date	Author	Description
1.0	03-Nov-2016	Yash Miriyala Gordon Chiarizzio	Initial draft

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1. get Tweet

Obtain tweets about a given artist.

Request

Method	URL
GET	api/getTweet/

Type	Params	Values
URL_PARAM	artist	string

artist
`artist` must be sent with all client requests. The artist is whom we wish to retrieve a tweet about.

Response

Status	Response
200	Tweet JSON
400	Bad request
500	Server Error

2. get Top Track

Get the top track of a given artist

Request

Method	URL
GET	api/getTopTrack/

Type	Params	Values
URL_PARAM	artist	string

artist
The `artist` that you wish to get the top album of.

Response

Status	Response

200	**Response will be a string representing the top album of the artist. Below is an example**
	
	`Endpoint:/getTopTrack?artist=u2`
	
	The response is:
	`The Joshua Tree (Deluxe Edition Remastered)`

400	`Bad request`
500	`Server Error`

3. get Wiki

Get the wikipedia excerpt of a given artist

Request

Method	URL

GET	api/getWiki/

Type	Params	Values
URL_PARAM	artist	string

artist

The `artist` that you wish to get the top album of.

Response

Status	Response
200	Response will be a string that represents the content of the corresponding wikipedia article
400	Bad request
500	Server Error

4. get Info

Get the top track, a random tweet, and the wikipedia excerpt of a given artist.

Request

Method	URL
GET	api/getInfo/

Type	Params	Values
URL_PARAM	artist	string

artist

The `artist` that you wish to get the top album of.

Response

Status	Response
200	**Response will be a JSON object with keys "Tweet", "Top Track", and "Wiki" in the form** {"Tweet": Tweet object, "Top Track": string, "Wiki": string
400	Bad request
500	Server Error

Glossary

Conventions

- **Client** - Client application.
- **Status** - HTTP status code of response.
- All the possible responses are listed under 'Responses' for each method. Only one of them is issued per request server.
- All response are in JSON format.
- All request parameters are mandatory unless explicitly marked as `[optional]`
- The type of values accepted for a *request* parameter are shown the the values column like this `[10|<any number>]` .The | symbol means *OR*. If the parameter is `[optional]`, the default value is shown in blue bold text, as **10** is written in `[10|<any number>]`.

Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind
4XX - Error occurred in client's part
5XX - Error occurred in server's part

Status Code	Description
200	OK
400	Bad request
500	Server Error