API Endpoints

general endpoints for allowed /api/table

- GET /:table?quantity= - Retrieve all data for each valid table and the number of elements
- GET /:table/:id - Retrieve data for each valid table and a specific element
- GET /api/table/:table/:column?search= - Retrieve the table column and id by keyword in that column

endpoints /api/track

- GET /:id - Retrieve a specific object by ID
- GET /?search& - Search for objects by name and filter objects by various criteria

/api/track/:id endpoint

- track.*
- rating_level(average from ratings from all users) enum('1', '2', '3', '4', '5')
- personal_favourite(from reaction of the user if api key) boolean
- genre_subgenre: [{id, name}]
- artist: [{id, name, image_id, image_alt, rating}]
- album: [{id, name, release_date, image_id, image_alt}]
- record_company: [{id, name, image_id, image_alt}]
- licensing: [{id, name}]

endpoints /api/artist

- GET /:id - Retrieve a specific object by ID
- GET /?search& - Search for objects by name and filter objects by various criteria

endpoints /api/album

- GET /:id - Retrieve a specific object by ID
- GET /?search& - Search for objects by name and filter objects by various criteria

endpoints /api/playlist

- GET /:id - Retrieve a specific object by ID
- GET /?search& - Search for objects by name and filter objects by various criteria

endpoints /api/user_profile

- GET /:id - Retrieve a specific object by ID
- GET /?search& - Search for objects by name and filter objects by various criteria

endpoints /api/comment

- GET /:object/:id?page_size=&page=&user_id= - Retrieve a list of comments from an object

endpoints /api/user (login required)

- GET /reported_user/:user_id - Retrieve the report
- GET /reported_track/:track_id - Retrieve the report
- GET /info - Retrieve all the user personal info

endpoints POST PUT DELETE /api/user/

- POST /web_app/registration - Register a new user
- PUT /web_app/registration - Modify the user email, password etc
- PUT /user_profile - Update the user public informations
- DELETE /web_app/registration - Delete account
- POST /playlist - Create a playlist
- PUT /playlist - Modify a playlist
- DELETE /playlist - Delete a playlist
- POST /rating/:object/:id - Rate an element of the object
- DELETE /rating/:object/:id - Delete rating of the element of the object
- POST /favourite/:object/:id - Add the element of the object as favourite
- DELETE /favourite/:object/:id - Delete the element of the object as favourite
- POST /comment/:object/:id - Add a comment to the element of the object
- PUT /comment/:object/:id - Modify the comment of the element of the object
- DELETE /comment/:object/:id - Delete the comment of the element of the object
- POST /report/user - Report an user
- POST /report/track - Report a track
- POST /api_keys - Generate an api keys pair

Database ER Diagram

genre_subgenre

PK	genre_subgenre_id int(11)
	genre_subgenre_name varchar(255) NN U
	genre_subgenre_description text

track_genre_subgenre

PK	track_genre_subgenre_id int(11)
FK1	track_id int(11) NN
FK2	genre_subgenre_id int(11) NN

licensing

PK	licensing_id int(11)
	licensing_name varchar(255) NN U
	licensing_description text

track_licensing

PK	licensing_id int(11)
	licensing_note text
FK1	track_id int(11) NN
FK2	licensing_id int(11) NN

record_company

PK	record_company_id int(11)
	record_company_name varchar(255) NN U
	record_company_description text
FK1	image_id int(11) U

track_record_company

PK	track_record_company_id int
FK1	track_id int(11) NN
FK2	record_company_id int(11) NN

artist

PK	artist_id int(11)
	artist_name varchar(255) NN
	artist_description text
FK1	image_id int(11) U

track_artist

PK	track_artist_id int(11)
FK1	track_id int(11) NN
FK2	artist_id int(11) NN

track

PK	track_id int(11) "file name in file system"
	track_name varchar(255) NN
	track_description text
	track_length time
	track_release_date date
FK1	image_id int(11)

image

PK	image_id int(11) "file name in file system"
	image_alt varchar(255)

album

PK	album_id int(11)
	album_name varchar(255) NN
	album_description text
	album_release_date date
FK1	image_id int(11)

track_album

PK	track_album_id int(11)
FK1	track_id int(11) NN
FK2	album_id int(11) NN

reaction (NN == 1)

PK	reaction_id int(11)
FK2	artist_id int(11)
FK3	track int(11)
FK4	album_id int(11)
FK1	playlist_id int(11)
FK5	user_receiver_id int(11)
FK6	user_id int(11) NN

playlist

PK	playlist_id int(11)
	playlist_name varchar(255) NN
	playlist_description text
	playlist_created timestamp NN
FK1	user_id int(11) NN
FK2	image_id int(11) U

tracklist

PK	tracklist_id int(11)
	tracklist_track_position smallint
	tracklist_track_added timestamp NN
FK1	track_id int(11) NN
FK2	playlist_id int(11) NN

report_track

PK	report_track_id int(11)
	report_track_content text NN
	report_track_created timestamp NN
FK1	track_id int(11) NN
FK2	user_id int(11) NN

favourite

	favourite_id int(11)
	favourite_added timestamp NN
FK1	reaction_id int(11) NN U

the same user can tag as favourite the same object just once

user (NN > 0)

PK	user_id int(11)
	user_identifier varchar(255) NN U
	user_email varchar(255) NN U
	user_password varbinary(255)
	user_google_token varbinary(255) U
	user_2fa_enabled boolean
	user_2fa_token varbinary(255) U
	user_api_key varbinary(255) U
	user_secret_key varbinary(255) U
	user_created timestamp NN

user_terms_of_service

PK	user_terms_of_service_id int(11)
FK1	user_id int(11) NN
FK2	terms_of_service_id int(11) NN

terms_of_service

PK	terms_of_service_id int(11)
	terms_of_service_content text NN
	terms_of_service_version timestamp NN

rating

PK	rating_id int(11)
	rating_level enum('1', '2', '3', '4', '5') NN
	rating_created timestamp NN
FK1	reaction_id int(11) NN U

the same user can rate the same object just once

user_profile

PK	user_profile_id int(11)
	user_profile_name varchar(255)
	user_profile_birthday date
	user_profile_bio text
	user_profile_description text
FK1	user_id int(11) NN U
FK2	image_id int(11) U

report_user

PK	report_user_id int(11)
	report_user_content text
	report_user_created timestamp NN
FK1	user_id int(11) NN
FK2	user_reported_id int(11) NN
FK3	comment_id int(11)
FK4	report_user_reason_id int(11) NN

report_user_reason

PK	report_reason_id int(11)
	report_user_reason_title varchar(255) NN U
	report_user_reason_description text

comment

PK	comment_id int(11)
	comment_content text NN
	comment_created timestamp NN
FK1	comment_reply_id int(11)
FK2	reaction_id int(11)

the same user can comment the same object multiple times