

Music Streaming App REST API
Design and Documentation

Models

Song:

_id: Generated

title: String, required, minlength: 3, maxlength: 50

artist: String, required, minlength: 3, maxlength: 25

lyrics: String, default: 'This track has no lyrics.'

User:

_id: Generated

username: String, required, minlength: 3, maxlength: 25

email: String, validate, required, unique (11000 error code), lowercase,

password: String (encrypted), required, minlength: 6

picture: String, default: 'default.png'

playlists: Number, default: 0

isAdmin: Boolean, default: false

Playlist:

_id: Generated

userId: Object(“...”)

name: String, required, minlength: 3, maxlength: 40

songs: Array

songsNum: Number

author: String

isPrivate: Boolean, default: false

Routes

Songs:

Get All Songs

GET http://localhost:4000/api/v1/songs/

Requires: Authentication

Get One Song

GET http://localhost:4000/api/v1/songs/:id

Requires: Authentication

Create Song

POST http://localhost:4000/api/v1/songs/

Requires: Authentication, Authorization

Update Song

PATCH http://localhost:4000/api/v1/songs/:id

Requires: Authentication, Authorization

Delete Song

DELETE http://localhost:4000/api/v1/songs/:id

Requires: Authentication, Authorization

Play Song

GET http://localhost:4000/api/v1/songs/play/:id

Requires: Authentication

Download Song

GET http://localhost:4000/api/v1/songs/download/:id

Requires: Authentication

Auth:

Register

POST http://localhost:4000/api/v1/auth/register

Generates: JWT, Cookie

Login

POST http://localhost:4000/api/v1/auth/login

Generates: JWT, Cookie

Logout

GET http://localhost:4000/api/v1/auth/logout

Empties: Cookie

Forgot Password

POST http://localhost:4000/api/v1/auth/forgotPassword

Generates: Link for resetting password

Reset Password

POST http://localhost:4000/api/v1/auth/resetPassword/:token

Changes: User password

Users:

Get All Users

GET http://localhost:4000/api/v1/users/

Requires: Authentication, Authorization

Get One User

GET http://localhost:4000/api/v1/users/:id

Requires: Authentication, Authorization

Update User

PATCH http://localhost:4000/api/v1/users/:id

Requires: Authentication, Authorization

Delete User

DELETE http://localhost:4000/api/v1/users/:id

Requires: Authentication, Authorization

Get Account

GET http://localhost:4000/api/v1/users/account/:id

Requires: Authentication

Update Account

PATCH http://localhost:4000/api/v1/users/updateAccount/:id

Requires: Authentication

Delete Account

DELETE http://localhost:4000/api/v1/users/deleteAccount/:id

Requires: Authentication

Change Password

PATCH http://localhost:4000/api/v1/users/changePassword/:id

Requires: Authentication

Change Picture

PATCH http://localhost:4000/api/v1/users/changePicture/:id

Requires: Authentication

Playlists:

Get All Playlists

GET http://localhost:4000/api/v1/playlists/

Requires: Authentication

Get One Playlist

GET http://localhost:4000/api/v1/playlists/:id

Requires: Authentication

Create Playlist

POST http://localhost:4000/api/v1/playlists/

Requires: Authentication

Update Playlist

PATCH http://localhost:4000/api/v1/playlists/:id

Requires: Authentication, Authorization

Delete Playlist

DELETE http://localhost:4000/api/v1/playlists/:id

Requires: Authentication

Add New Song

PATCH http://localhost:4000/api/v1/playlists/addNewSong/:id

Requires: Authentication

Remove Song

PATCH http://localhost:4000/api/v1/playlists/removeSong/:id

Requires: Authentication

Delete Playlist

DELETE http://localhost:4000/api/v1/playlists/account/:id

Requires: Authentication