

DOCUMENTATIE

Barbuta Delia Elena, 1409B

CONTROLLER SONGS

Pe ruta <http://localhost:8080/api/songs>, metoda GET permite: afișarea tuturor pieselor, afișarea pagina a pieselor, cu items_per_page valoare default sau transmis ca si query param, cautarea pieselor dupa nume, cu potrivire exacta sau partiala si afișarea paginata a pieselor cautate dupa nume, cu potrivire partiala.

- GET <http://localhost:8080/api/songs>

The screenshot shows a web browser interface with a GET request to <http://localhost:8080/api/songs>. The response is a JSON array of song objects. The first object is a 'single' from 2023, and the second is a 'song' from 1990. Both have links to their respective detail pages.

```
313     "year_of_release": 2023,
314     "music_type": "single",
315     "album_id": null,
316     "links": [
317       {
318         "rel": "self",
319         "href": "http://localhost:8080/api/songs/25"
320       },
321       {
322         "rel": "parent",
323         "href": "http://localhost:8080/api/songs/?page,items_per_page,name,match}"
324       }
325     ],
326   },
327   {
328     "id": 26,
329     "name": "Bed Of Roses",
330     "music_genre": "rock",
331     "year_of_release": 1990,
332     "music_type": "song",
333     "album_id": 2,
334     "links": [
335       {
336         "rel": "self",
337         "href": "http://localhost:8080/api/songs/26"
338       },
339       {
340         "rel": "parent",
341         "href": "http://localhost:8080/api/songs/?page,items_per_page,name,match}"
342       }
343     ],
344   },
345 ],
346 {
347   "rel": "self",
348   "href": "http://localhost:8080/api/songs/?page,items_per_page,name,match}"
349 }
350
```

- GET http://localhost:8080/api/songs?page=1&items_per_page=5

GET

http://localhost:8080/api/songs?page=1&items_per_page=5

Send

Params • Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (8) Test Results 200 OK 385 ms 1.74 KB Save Response

Pretty Raw Preview Visualize JSON

```
67     "href": "http://localhost:8080/api/songs/6"
68   },
69   {
70     "rel": "parent",
71     "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
72   }
73 ]
74 },
75 {
76   "id": 7,
77   "name": "AmReusitSelfJoin!!!",
78   "music_genre": "metal",
79   "year_of_release": 2022,
80   "music_type": "song",
81   "album_id": 5,
82   "links": [
83     {
84       "rel": "self",
85       "href": "http://localhost:8080/api/songs/7"
86     },
87     {
88       "rel": "parent",
89       "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
90     }
91   ]
92 }
93 ],
94 [
95   {
96     "rel": "self",
97     "href": "http://localhost:8080/api/songs/?page=1&items_per_page=5&name,match}"
98   },
99   {
100     "rel": "nextLink",
101     "href": "http://localhost:8080/api/songs/?page=2&items_per_page=5&name,match}"
102   }
103 ]
104 ]
```

- GET http://localhost:8080/api/songs?page=2&items_per_page=5

GET

http://localhost:8080/api/songs?page=2&items_per_page=5

Send

Params • Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (8) Test Results

200 OK 220 ms 1.86 KB Save Response

Pretty Raw Preview Visualize JSON

```
71      "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
72    }
73  ]
74 },
75 {
76   "id": 14,
77   "name": "mySong",
78   "music_genre": "metal",
79   "year_of_release": 2022,
80   "music_type": "single",
81   "album_id": null,
82   "links": [
83     {
84       "rel": "self",
85       "href": "http://localhost:8080/api/songs/14"
86     },
87     {
88       "rel": "parent",
89       "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
90     }
91   ]
92 }
93 ],
94 [
95   {
96     "rel": "self",
97     "href": "http://localhost:8080/api/songs/?page=2&items_per_page=5{name,match}"
98   },
99   {
100     "rel": "previousLink",
101     "href": "http://localhost:8080/api/songs/?page=1&items_per_page=5{name,match}"
102   },
103   {
104     "rel": "nextLink",
105     "href": "http://localhost:8080/api/songs/?page=3&items_per_page=5{name,match}"
106   }
107 ]
108 ]
```

- GET http://localhost:8080/api/songs?page=4&items_per_page=5

Body Cookies Headers (8) Test Results 200 OK 115 ms 1.51 KB Save Response

Pretty Raw Preview Visualize JSON

```

49     "href": "http://localhost:8080/api/songs/25"
50   },
51   {
52     "rel": "parent",
53     "href": "http://localhost:8080/api/songs/{page,items_per_page,name,match}"
54   }
55 ]
56 },
57 {
58   "id": 26,
59   "name": "Bed Of Roses",
60   "music_genre": "rock",
61   "year_of_release": 1990,
62   "music_type": "song",
63   "album_id": 2,
64   "links": [
65     {
66       "rel": "self",
67       "href": "http://localhost:8080/api/songs/26"
68     },
69     {
70       "rel": "parent",
71       "href": "http://localhost:8080/api/songs/{page,items_per_page,name,match}"
72     }
73   ]
74 }
75 ],
76 [
77   {
78     "rel": "self",
79     "href": "http://localhost:8080/api/songs/?page=4&items_per_page=5&name,match}"
80   },
81   {
82     "rel": "previousLink",
83     "href": "http://localhost:8080/api/songs/?page=3&items_per_page=5&name,match}"
84   }
85 ]
86 ]

```

- GET http://localhost:8080/api/songs?page=4&items_per_page=5

GET http://localhost:8080/api/songs?page=5&items_per_page=5

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Body Cookies Headers (8) Test Results 404 Not Found 174 ms 355 B S

Pretty Raw Preview Visualize JSON

```

1  {
2    "rel": "parent",
3    "href": "http://localhost:8080/api/songs/?page=4&items_per_page=5&name,match}"
4  }

```

- GET <http://localhost:8080/api/songs?name=Flowers>

GET <http://localhost:8080/api/songs?name=Flowers> Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (8) Test Results 200 OK 726 ms 626 B Save Response

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "id": 25,
4     "name": "Flowers",
5     "music_genre": "pop",
6     "year_of_release": 2023,
7     "music_type": "single",
8     "album_id": null,
9     "links": [
10      {
11        "rel": "self",
12        "href": "http://localhost:8080/api/songs/25"
13      },
14      {
15        "rel": "parent",
16        "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
17      }
18    ]
19  },
20 ],
21 {
22   "rel": "self",
23   "href": "http://localhost:8080/api/songs/?items_per_page=10&name=Flowers{&page,match}"
24 },
25 ]
```

- GET <http://localhost:8080/api/songs?name=Flowers&match=exact>

GET <http://localhost:8080/api/songs?name=Submarine&match=exact> Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (8) Test Results 200 OK 167 ms 636 B Save Response

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "id": 19,
4     "name": "Submarine",
5     "music_genre": "rock",
6     "year_of_release": 1966,
7     "music_type": "album",
8     "album_id": null,
9     "links": [
10      {
11        "rel": "self",
12        "href": "http://localhost:8080/api/songs/19"
13      },
14      {
15        "rel": "parent",
16        "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
17      }
18    ]
19  },
20 ],
21 {
22   "rel": "self",
23   "href": "http://localhost:8080/api/songs/?items_per_page=10&name=Submarine&match=exact{&page}"
24 },
25 ]
```

- GET http://localhost:8080/api/songs?page=1&items_per_page=1&name=song

GET

http://localhost:8080/api/songs?page=1&items_per_page=1&name=song

Send

Params • Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

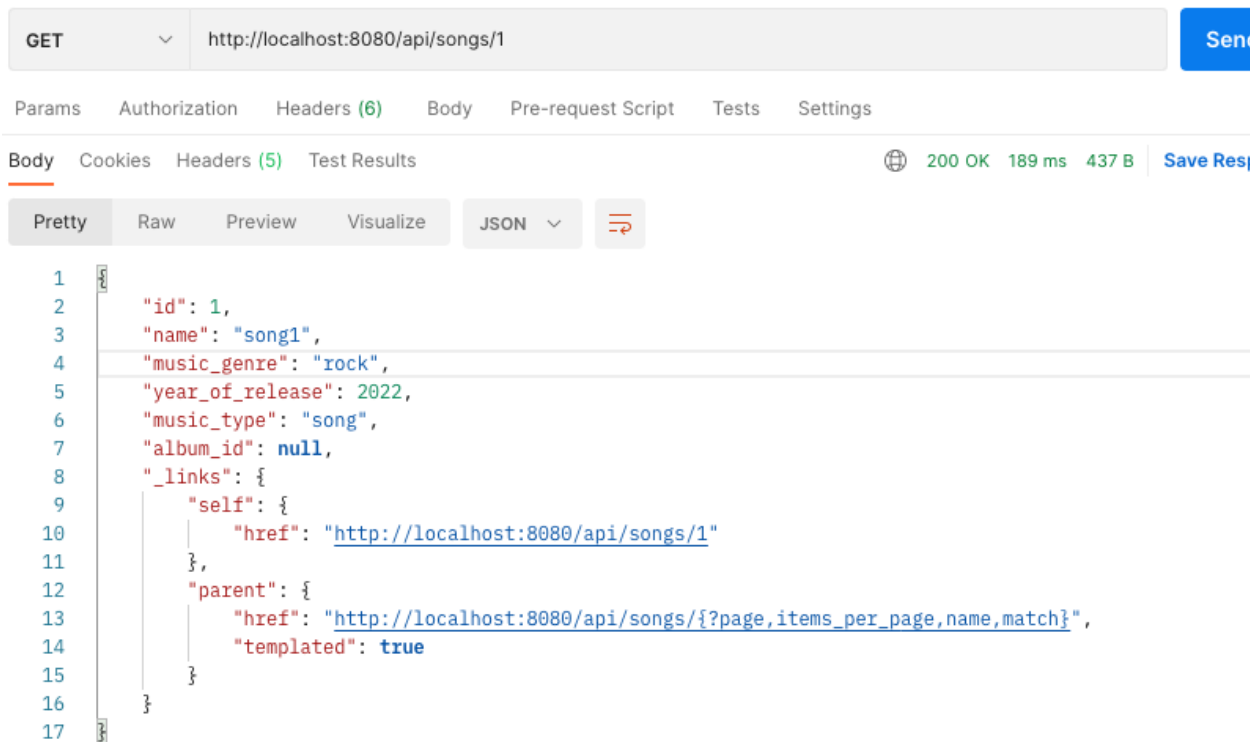
Body Cookies Headers (8) Test Results

200 OK 146 ms 714 B Save Response

Pretty Raw Preview Visualize JSON

```
1  [
2    {
3      "id": 1,
4      "name": "song1",
5      "music_genre": "rock",
6      "year_of_release": 2022,
7      "music_type": "song",
8      "album_id": null,
9      "links": [
10         {
11           "rel": "self",
12           "href": "http://localhost:8080/api/songs/1"
13         },
14         {
15           "rel": "parent",
16           "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
17         }
18       ]
19     }
20   ],
21   {
22     "rel": "self",
23     "href": "http://localhost:8080/api/songs/?page=1&items_per_page=1&name,match}"
24   },
25   {
26     "rel": "nextLink",
27     "href": "http://localhost:8080/api/songs/?page=2&items_per_page=1&name,match}"
28   }
29 ]
```

- GET <http://localhost:8080/api/songs/1>



GET <http://localhost:8080/api/songs/1> Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Body Cookies Headers (5) Test Results 200 OK 189 ms 437 B Save Response

Pretty Raw Preview Visualize JSON ≡

```

1  {
2    "id": 1,
3    "name": "song1",
4    "music_genre": "rock",
5    "year_of_release": 2022,
6    "music_type": "song",
7    "album_id": null,
8    "_links": {
9      "self": {
10       "href": "http://localhost:8080/api/songs/1"
11      },
12      "parent": {
13       "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}",
14       "templated": true
15      }
16    }
17  }

```

- GET <http://localhost:8080/api/songs/40> - deoarece piesa cu id-ul 40 nu exista, se va returna codul 404 și link-ul catre colectia parinte



GET <http://localhost:8080/api/songs/40>

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Body Cookies Headers (5) Test Results 404 Not Found 28 ms 262 B Save Response

Pretty Raw Preview Visualize JSON ≡

```

1  {
2    "rel": "parent",
3    "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
4  }

```

- POST <http://localhost:8080/api/songs> - 201 CREATED

POST <http://localhost:8080/api/songs> Send

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Cookies

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL JSON Beautify

```
1 {
2   "name": "One",
3   "music_genre": "rock",
4   "year_of_release": 1988,
5   "music_type": "single",
6   "album_id": null
7 }
```

Body Cookies Headers (8) Test Results 201 Created 459 ms 533 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 27,
3   "name": "One",
4   "music_genre": "rock",
5   "year_of_release": 1988,
6   "music_type": "single",
7   "album_id": null,
8   "_links": {
9     "self": {
10      "href": "http://localhost:8080/api/songs/27"
11     },
12     "parent": {
13      "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}",
14      "templated": true
15     }
16   }
17 }
```

Cateva exemple pentru care sunt returnate coduri de eroare:

- POST <http://localhost:8080/api/songs> - 401 UNAUTHORIZED

POST <http://localhost:8080/api/songs> Send

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Cookies

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL JSON Beautify

```
1 {
2   "name": "Wrong",
3   "music_genre": "rock",
4   "year_of_release": 2040,
5   "music_type": "single",
6   "album_id": null
7 }
```

Body Cookies Headers (8) Test Results 401 Unauthorized 622 ms 303 B Save Response

Pretty Raw Preview Visualize Text

```
1 Authorization failed! Expired Signature!
```


- POST <http://localhost:8080/api/songs> - 403 FORBIDDEN

POST

http://localhost:8080/api/songs

Send

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettingsCookies

noneform-datax-www-form-urlencoderawbinaryGraphQLJSONBeautify

```
1 {
2   "name": "Wrong",
3   "music_genre": "rock",
4   "year_of_release": 2000,
5   "music_type": "album",
6   "album_id": 2
7 }
```

BodyCookiesHeaders (8)Test Results403 Forbidden369 ms268 BSave Response

PrettyRawPreviewVisualizeTextFORBIDDEN

- POST <http://localhost:8080/api/songs> - 422 UNPROCESSABLE ENTITY

POST

http://localhost:8080/api/songs

Send

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettingsCookies

noneform-datax-www-form-urlencoderawbinaryGraphQLJSONBeautify

```
1 {
2   "name": "Wrong",
3   "music_genre": "rock",
4   "year_of_release": 2040,
5   "music_type": "single",
6   "album_id": null
7 }
```

BodyCookiesHeaders (8)Test Results422 Unprocessable Entity (WebDAV) (RFC 4918)388 ms319 BSave Response

PrettyRawPreviewVisualizeTextYear cannot be in the future

- POST <http://localhost:8080/api/songs> - 409 CONFLICT

POST <http://localhost:8080/api/songs> Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "name": "Wrong",
3   "music_genre": "rock",
4   "year_of_release": 2000,
5   "music_type": "album",
6   "album_id": 2
7 }
```

Body Cookies Headers (8) Test Results 409 Conflict 316 ms 296 B Save Response

Pretty Raw Preview Visualize Text

1 Album cannot reference another album.

- DELETE <http://localhost:8080/api/songs/27> - 204 NO CONTENT

DELETE <http://localhost:8080/api/songs/27> Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (3) Test Results 204 No Content 593 ms 112 B Save Response

Pretty Raw Preview Visualize Text

1

- DELETE <http://localhost:8080/api/songs/40> - 404 NOT FOUND

DELETE <http://localhost:8080/api/songs/40> Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (5) Test Results 404 Not Found 154 ms 262 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "rel": "parent",
3   "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
4 }
```

CONTROLLER ARTISTS:

- GET <http://localhost:8080/api/artists> - **200 OK** - metoda permite afișarea tuturor artiștilor și căutare după nume, cu potrivire exacta sau partiala

GET <http://localhost:8080/api/artists> Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (5) Test Results 200 OK 423 ms 2.07 KB Save Response

Pretty Raw Preview Visualize JSON

```
106   ]
107   },
108   {
109     "uuid": "12345678765",
110     "name": "gabriela brezi",
111     "is_active": true,
112     "links": [
113       {
114         "rel": "self",
115         "href": "http://localhost:8080/api/artists/12345678765"
116       },
117       {
118         "rel": "parent",
119         "href": "http://localhost:8080/api/artists/{?name,match}"
120       }
121     ]
122   },
123   {
124     "uuid": "123456789",
125     "name": "delia",
126     "is_active": false,
127     "links": [
128       {
129         "rel": "self",
130         "href": "http://localhost:8080/api/artists/123456789"
131       },
132       {
133         "rel": "parent",
134         "href": "http://localhost:8080/api/artists/{?name,match}"
135       }
136     ]
137   }
138 ],
139 {
140   "rel": "self",
141   "href": "http://localhost:8080/api/artists/{?name,match}"
142 }
143 }
```

- GET <http://localhost:8080/api/artists?name=delia> - 200 OK

GET <http://localhost:8080/api/artists?name=delia> Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (5) Test Results 200 OK 178 ms 445 B Save Response

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "uuid": "123456789",
4     "name": "delia",
5     "is_active": false,
6     "links": [
7       {
8         "rel": "self",
9         "href": "http://localhost:8080/api/artists/123456789"
10      },
11      {
12        "rel": "parent",
13        "href": "http://localhost:8080/api/artists/{?name,match}"
14      }
15    ]
16  },
17  {
18    "rel": "self",
19    "href": "http://localhost:8080/api/artists/{?name,match}"
20  }
21 ]
```

- GET <http://localhost:8080/api/artists/0987654321> - 200 OK

GET <http://localhost:8080/api/artists/0987654321> Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (5) Test Results 200 OK 86 ms 390 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "uuid": "0987654321",
3   "name": "Michael Jackson",
4   "is_active": true,
5   "_links": {
6     "self": {
7       "href": "http://localhost:8080/api/artists/0987654321"
8     },
9     "parent": {
10      "href": "http://localhost:8080/api/artists/{?name,match}",
11      "templated": true
12    }
13  }
14 }
```

- PUT <http://localhost:8080/api/artists/00000000> - **201 CREATED**

The screenshot shows a REST client interface with a PUT request to `http://localhost:8080/api/artists/00000000`. The request body is a JSON object with `"name": "Beyonce"` and `"is_active": true`. The response is a 201 Created status with a response time of 774 ms and a body size of 472 B. The response body is displayed in a pretty-printed JSON format.

```
PUT http://localhost:8080/api/artists/00000000
```

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded **raw** binary GraphQL JSON Beautify

```
1 {
2   ... "name": "Beyonce",
3   ... "is_active": true
4 }
```

Body Cookies Headers (8) Test Results 201 Created 774 ms 472 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "uuid": "00000000",
3   "name": "Beyonce",
4   "is_active": true,
5   "_links": {
6     "self": {
7       "href": "http://localhost:8080/api/artists/00000000"
8     },
9     "parent": {
10      "href": "http://localhost:8080/api/artists/{?name,match}",
11      "templated": true
12    }
13  }
14 }
```

- PUT <http://localhost:8080/api/artists/00000000> - **204 NO CONTENT**

The screenshot shows a REST client interface with a PUT request to `http://localhost:8080/api/artists/00000000`. The request body is a JSON object with `"name": "Beyonce"` and `"is_active": false`. The response is a 204 No Content status with a response time of 417 ms and a body size of 201 B. The response body is displayed in a text format.

```
PUT http://localhost:8080/api/artists/00000000
```

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded **raw** binary GraphQL JSON Beautify

```
1 {
2   ... "name": "Beyonce",
3   ... "is_active": false
4 }
```

Body Cookies Headers (6) Test Results 204 No Content 417 ms 201 B Save Response

Pretty Raw Preview Visualize Text

```
1
```

- DELETE <http://localhost:8080/api/artists/00000000> - **204 NO CONTENT**

DELETE <http://localhost:8080/api/artists/00000000> Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (3) Test Results 204 No Content 378 ms 112 B Save Response

Pretty Raw Preview Visualize Text

1

- GET <http://localhost:8080/api/artists/00000000/songs> - **200 OK**

GET <http://localhost:8080/api/artists/10010082282282/songs> Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (5) Test Results 200 OK 183 ms 585 B Save Response

Pretty Raw Preview Visualize JSON

```

1  [
2    {
3      "id": 1,
4      "name": "song1",
5      "music_genre": "rock",
6      "year_of_release": 2022,
7      "music_type": "song",
8      "album_id": null,
9      "links": [
10       {
11         "rel": "self",
12         "href": "http://localhost:8080/api/songs/1"
13       },
14       {
15         "rel": "parent",
16         "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
17       }
18     ]
19   },
20 ],
21 [
22   {
23     "rel": "self",
24     "href": "http://localhost:8080/api/artists/10010082282282/songs"
25   },
26   {
27     "rel": "parent",
28     "href": "http://localhost:8080/api/artists/10010082282282"
29   }
30 ]
31 ]
32

```

- PUT <http://localhost:8080/api/artists/1001008228282/songs/12> - **204 NO CONTENT**

The screenshot shows a REST client interface with the following details:

- Method:** PUT
- URL:** <http://localhost:8080/api/artists/1001008228282/songs/12>
- Status:** 204 No Content
- Time:** 481 ms
- Size:** 112 B
- Response:** (Empty body)

- PUT <http://localhost:8080/api/artists/10010082328282/songs/12> - **404 NOT FOUND**

The screenshot shows a REST client interface with the following details:

- Method:** PUT
- URL:** <http://localhost:8080/api/artists/10010082328282/songs/12>
- Status:** 404 Not Found
- Time:** 476 ms
- Size:** 244 B
- Response:**

```
1 {
2   "rel": "parent",
3   "href": "http://localhost:8080/api/artists/{?name,match}"
4 }
```

CONTROLLER PLAYLISTS:

- GET <http://localhost:8080/api/playlists> - 200 OK

GET

http://localhost:8081/api/playlists

Send

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettingsCookies

BodyCookiesHeaders (5)Test Results200 OK1168 ms5.78 KBSave Response

PrettyRawPreviewVisualizeJSON

```
1  [
2
3    {
4      "id": "638b54688b4f500c9ad0b248",
5      "user_id": 2,
6      "name": "favMusicChillMix",
7      "songs": [
8        {
9          "id": 1,
10         "name": "song1",
11         "selfLink": "http://localhost:8080/api/songs/1"
12       }
13     ],
14     "links": [
15       {
16         "rel": "self",
17         "href": "http://localhost:8081/api/playlists/638b54688b4f500c9ad0b248"
18       },
19       {
20         "rel": "parent",
21         "href": "http://localhost:8081/api/playlists/"
22       }
23     ]
24   },
25   {
26     "id": "6395ce83652a5c787d10fac9",
27     "user_id": 1,
28     "name": "myMusic",
29     "songs": [
30       {
31         "id": 1,
32         "name": "song1",
33         "selfLink": "http://localhost:8080/api/songs/1"
34       },
35       {
36         "id": 2,
37         "name": "song2",
38         "selfLink": "http://localhost:8080/api/songs/2"
```


- GET <http://localhost:8080/api/playlists/63cd60d91c543b03f05953e1> - 200 OK

GET

http://localhost:8081/api/playlists/63cd60d91c543b03f05953e1

Send

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettingsCookies

BodyCookiesHeaders (5)Test Results

200 OK165 ms646 BSave Response

PrettyRawPreviewVisualizeJSON

```
1  {
2    "id": "63cd60d91c543b03f05953e1",
3    "user_id": 4,
4    "name": "Best Of All Times",
5    "songs": [
6      {
7        "id": 17,
8        "name": "Stairway to heaven",
9        "selfLink": "http://localhost:8080/api/songs/17"
10     },
11     {
12       "id": 18,
13       "name": "Dazed and confused",
14       "selfLink": "http://localhost:8080/api/songs/18"
15     },
16     {
17       "id": 19,
18       "name": "Submarine",
19       "selfLink": "http://localhost:8080/api/songs/19"
20     }
21   ],
22   "_links": {
23     "self": {
24       "href": "http://localhost:8081/api/playlists/63cd60d91c543b03f05953e1"
25     },
26     "parent": {
27       "href": "http://localhost:8081/api/playlists/"
28     }
29   }
30 }
```

- POST <http://localhost:8080/api/playlists> - **201 CREATED**

mentiune: user_id-ul ar fi trebuit dat in cale, nu in body, însă dintr-o greșeală inițială de proiectare este transmis în body, în toate metodele care au nevoie de el in controller-ul playlist

The screenshot displays a REST client interface. At the top, a POST request is configured to `http://localhost:8081/api/playlists`. The 'Body' tab is selected, showing a JSON payload with `user_id`, `name`, and `song_ids`. Below the request, the 'Body' tab of the response is shown, displaying a JSON object with `id`, `user_id`, `name`, `songs` (an array of song objects), and `_links` (containing self and parent links). The status bar indicates a 201 Created response with a 1455 ms duration and 658 B of data.

```
POST http://localhost:8081/api/playlists

{"user_id": 4, "name": "best of rock", "song_ids": [17, 18]}
```

```
{
  "id": "63cd898a1c543b03f05953e4",
  "user_id": 4,
  "name": "best of rock",
  "songs": [
    {
      "id": 17,
      "name": "Stairway to heaven",
      "selfLink": "http://localhost:8080/api/songs/17"
    },
    {
      "id": 18,
      "name": "Dazed and confused",
      "selfLink": "http://localhost:8080/api/songs/18"
    }
  ],
  "_links": {
    "self": {
      "href": "http://localhost:8081/api/playlists/63cd898a1c543b03f05953e4"
    },
    "parent": {
      "href": "http://localhost:8081/api/playlists/"
    }
  }
}
```

201 Created 1455 ms 658 B Save Response

- POST <http://localhost:8080/api/playlists> - **409 CONFLICT**

POST <http://localhost:8081/api/playlists> Send

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Cookies

● none ● form-data ● x-www-form-urlencoded ● **raw** ● binary ● GraphQL **JSON** Beautify

```
1 {
2   "user_id": 4,
3   "name": "best of rock wrong",
4   "song_ids": [17, 18, 67]
5 }
```

Body Cookies Headers (8) Test Results 409 Conflict 618 ms 282 B Save Response

Pretty Raw Preview Visualize Text

```
1 Could not find music 67
```

- PATCH <http://localhost:8080/api/playlists/63cc83aa4fe5364e4b3fee5b?operation=add> - **204 NO CONTENT**

PATCH <http://localhost:8081/api/playlists/63cc83aa4fe5364e4b3fee5b?operation=add> Send

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Cookies

● none ● form-data ● x-www-form-urlencoded ● **raw** ● binary ● GraphQL **JSON** Beautify

```
1 {
2   "user_id": 4,
3   "song_ids": [1, 2]
4 }
```

Body Cookies Headers (3) Test Results 204 No Content 1231 ms 112 B Save Response

Pretty Raw Preview Visualize Text

```
1
```

- PATCH

<http://localhost:8080/api/playlists/63cc83aa4fe5364e4b3fee5b?operation=remove>
- 204 NO CONTENT

The screenshot shows a REST client interface with the following details:

- Method:** PATCH
- URL:** <http://localhost:8081/api/playlists/63cc83aa4fe5364e4b3fee5b?operation=remove>
- Body:**

```
{  "user_id": 4,  "song_ids": [1, 2]}
```
- Response:** 204 No Content, 388 ms, 112 B
- Body Tab:** Pretty view showing the JSON body.

- PATCH

<http://localhost:8080/api/playlists/63cc83aa4fe5364e4b3fee5b?operation=remove>
- 404 NOT FOUND

The screenshot shows a REST client interface with the following details:

- Method:** PATCH
- URL:** <http://localhost:8081/api/playlists/63cc83aa43fe5364e4b3fee5b?operation=remove>
- Body:**

```
{  "user_id": 4,  "song_ids": [1, 2]}
```
- Response:** 404 Not Found, 541 ms, 233 B
- Body Tab:** Pretty view showing the JSON body.

- DELETE <http://localhost:8080/api/playlists/63cd69ce1c543b03f05953e3> - **204 NO CONTENT**

DELETE

http://localhost:8081/api/playlists/63cd69ce1c543b03f05953e3

Send

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettingsCookies

BodyCookiesHeaders (3)Test Results

204 No Content148 ms112 BSave Response

PrettyRawPreviewVisualizeText

1

CONTROLLER PROFILES:

- GET <http://localhost:8080/api/profiles> - 200 OK

The screenshot shows a web browser's developer tools interface. The top bar indicates a GET request to `http://localhost:8081/api/profiles` with a status of 200 OK, a response time of 166 ms, and a size of 2.84 KB. The response body is displayed in JSON format, showing an array of two user profiles.

```
1 [
2   {
3     "id": "6397437c30e0fa691789f70a",
4     "user_id": 1,
5     "first_name": "Delia",
6     "last_name": "Barbuta",
7     "email": "bdeliaelena@yahoo.com",
8     "likedMusic": [],
9     "playlists": [],
10    "links": [
11      {
12        "rel": "self",
13        "href": "http://localhost:8081/api/profiles/6397437c30e0fa691789f70a"
14      },
15      {
16        "rel": "parent",
17        "href": "http://localhost:8081/api/profiles/"
18      }
19    ]
20  },
21  {
22    "id": "63a0682e171c37279eca64d7",
23    "user_id": 2,
24    "first_name": "Gabriela",
25    "last_name": "Brezeanu",
26    "email": "aaa@yahoo.com",
27    "likedMusic": [
28      {
29        "id": 1,
30        "name": "song1",
31        "selfLink": "http://localhost:8080/api/songs/1"
32      },
33      {
34        "id": 2,
35        "name": "song2",
36        "selfLink": "http://localhost:8080/api/songs/2"
37      }
38    ]
39  }
40 ]
```

- GET <http://localhost:8080/api/profiles/63c86f24b09acf4a6eb3f90a> - 200 OK

GET

http://localhost:8081/api/profiles/63c86f24b09acf4a6eb3f90a

Send

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettingsCookies

BodyCookiesHeaders (5)Test Results

200 OK244 ms1.44 KBSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "id": "63c86f24b09acf4a6eb3f90a",
3   "user_id": 4,
4   "first_name": "gabi",
5   "last_name": "scintei",
6   "email": "abc@yahoo.com",
7   "likedMusic": [],
8   "playlists": [
9     {
10      "id": "63c86f40b09acf4a6eb3f90b",
11      "user_id": 4,
12      "name": "jazz lo-fi",
13      "songs": [
14        {
15          "id": 1,
16          "name": "song1",
17          "selfLink": "http://localhost:8080/api/songs/1"
18        },
19        {
20          "id": 2,
21          "name": "song2",
22          "selfLink": "http://localhost:8080/api/songs/2"
23        }
24      ]
25    },
26    {
27      "id": "63c86fd9b09acf4a6eb3f90c",
28      "user_id": 4,
29      "name": "rock",
30      "songs": [
31        {
32          "id": 18,
33          "name": "Dazed and confused",
34          "selfLink": "http://localhost:8080/api/songs/18"
35        },
36        {
37          "id": 19,
38          "name": "Submarine",
```

```

        "id": 15,
        "name": "mySong",
        "selflink": "http://localhost:8080/api/songs/15"
    }
]
},
{
    "id": "63cd60d91c543b03f05953e1",
    "user_id": 4,
    "name": "Best Of All Times",
    "songs": [
        {
            "id": 17,
            "name": "Stairway to heaven",
            "selflink": "http://localhost:8080/api/songs/17"
        },
        {
            "id": 18,
            "name": "Dazed and confused",
            "selflink": "http://localhost:8080/api/songs/18"
        },
        {
            "id": 19,
            "name": "Submarine",
            "selflink": "http://localhost:8080/api/songs/19"
        }
    ]
}
],
"_links": {
    "self": {
        "href": "http://localhost:8081/api/profiles/63c86f24b09acf4a6eb3f90a"
    },
    "parent": {
        "href": "http://localhost:8081/api/profiles/"
    }
}
}

```


- POST <http://localhost:8080/api/profiles> - 201 CREATED

POST

http://localhost:8081/api/profiles ...

Send

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettingsCookies

noneform-datax-www-form-urlencoderawbinaryGraphQLJSONBeautify

```
1  {
2    "user_id": 13,
3    "first_name": "Gabriela",
4    "last_name": "Brezeanu",
5    "email": "aaa@yahoo.com",
6    "likedMusic_ids": [],
7    "playlist_ids": []
8  }
```

BodyCookiesHeaders (8)Test Results201 Created288 ms555 BSave Response

PrettyRawPreviewVisualizeJSON

```
1  {
2    "id": "63cd8e9f1c543b03f05953e5",
3    "user_id": 13,
4    "first_name": "Gabriela",
5    "last_name": "Brezeanu",
6    "email": "aaa@yahoo.com",
7    "likedMusic": [],
8    "playlists": [],
9    "_links": {
10     "self": {
11       "href": "http://localhost:8081/api/profiles/63cd8e9f1c543b03f05953e5"
12     },
13     "parent": {
14       "href": "http://localhost:8081/api/profiles/"
15     }
16   }
17 }
```

- POST <http://localhost:8080/api/profiles> - 422 UNPROCESSABLE ENTITY

POST

http://localhost:8081/api/profiles ...

Send

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettingsCookies

noneform-datax-www-form-urlencoderawbinaryGraphQLJSONBeautify

```
1  {
2    "user_id": 13,
3    "first_name": "Gabriela",
4    "last_name": "Brezeanu",
5    "email": "aaa@yahoo.com",
6    "likedMusic_ids": [2],
7    "playlist_ids": []
8  }
```

BodyCookiesHeaders (8)Test Results422 Unprocessable Entity (WebDAV) (RFC 4918)156 ms318 BSave Response

PrettyRawPreviewVisualizeText

```
1  Unprocessable request body!
```

- PATCH

http://localhost:8081/api/profiles/63c86f24b09acf4a6eb3f90a?operation=add -
204 NO CONTENT

The screenshot shows a REST client interface with the following details:

- Method:** PATCH
- URL:** http://localhost:8081/api/profiles/63c86f24b09acf4a6eb3f90a?operation=add
- Body:** A JSON object with the following structure:

```
1 {
2   ... "user_id": 4,
3   ... "playlist_ids": ["63c86f40b09acf4a6eb3f90b"]
4 }
```
- Response:** 204 No Content, 449 ms, 201 B. The response is displayed in the "Body" tab, which is currently empty.
- Buttons:** Send, Cookies, Beautify, Save Response.

- PATCH

http://localhost:8081/api/profiles/63c86f24b09acf4a6eb3f90a?operation=remove -
204 NO CONTENT

The screenshot shows a REST client interface with the following details:

- Method:** PATCH
- URL:** http://localhost:8081/api/profiles/63c86f24b09acf4a6eb3f90a?operation=remove
- Body:** A JSON object with the following structure:

```
1 {
2   ... "user_id": 4,
3   ... "playlist_ids": ["63c86f40b09acf4a6eb3f90b"]
4 }
```
- Response:** 204 No Content, 409 ms, 201 B. The response is displayed in the "Body" tab, which is currently empty.
- Buttons:** Send, Cookies, Beautify, Save Response.

- PATCH

http://localhost:8081/api/profiles/63c86f24b09acf4a6sadeb3f90a?operation=remove - **404 NOT FOUND**

The screenshot shows a REST client interface with a PATCH request to `http://localhost:8081/api/profiles/63c86f24b09acf4a6eb3f90a?operation=add`. The request body is a JSON object: `{ "user_id": 4, "playlist_ids": ["63c86f40b09acf4a6eb3f90b4"] }`. The response is a 404 Not Found status with a response body: `{ "rel": "parent", "href": "http://localhost:8081/api/profiles/" }`.

```
1 {
2   "user_id": 4,
3   "playlist_ids": ["63c86f40b09acf4a6eb3f90b4"]
4 }
```

Body Cookies Headers (8) Test Results 404 Not Found 2.48 s 321 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "rel": "parent",
3   "href": "http://localhost:8081/api/profiles/"
4 }
```

- DELETE http://localhost:8081/api/profiles/63cd8e9f1c543b03f05953e5 - **204 NO CONTENT**

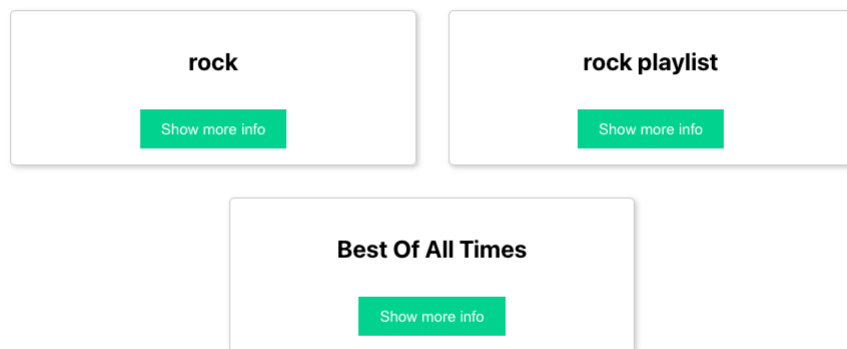
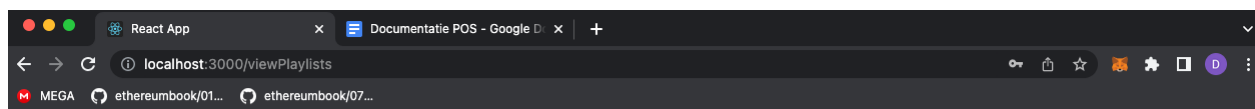
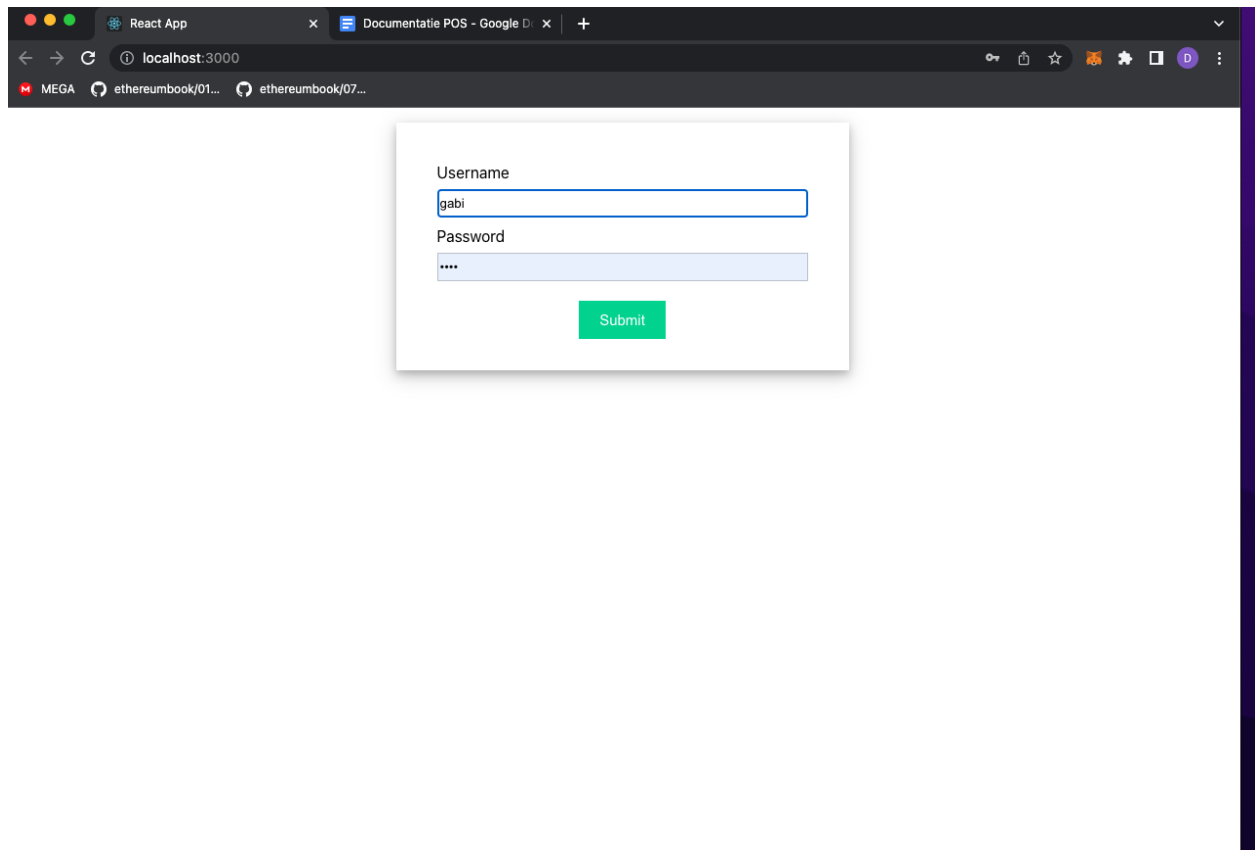
The screenshot shows a REST client interface with a DELETE request to `http://localhost:8081/api/profiles/63cd8e9f1c543b03f05953e5`. The response is a 204 No Content status with an empty response body.

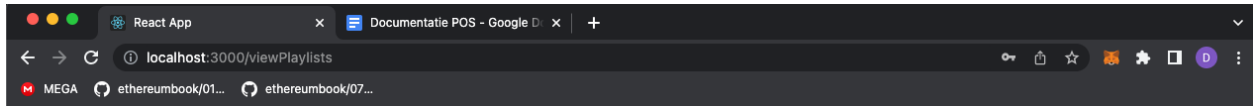
```
1
```

Body Cookies Headers (3) Test Results 204 No Content 1032 ms 112 B Save Response

Pretty Raw Preview Visualize Text

REACT:





rock

Show more info

rock playlist

Show more info

Best Of All Times

Show more info

Stairway to heaven

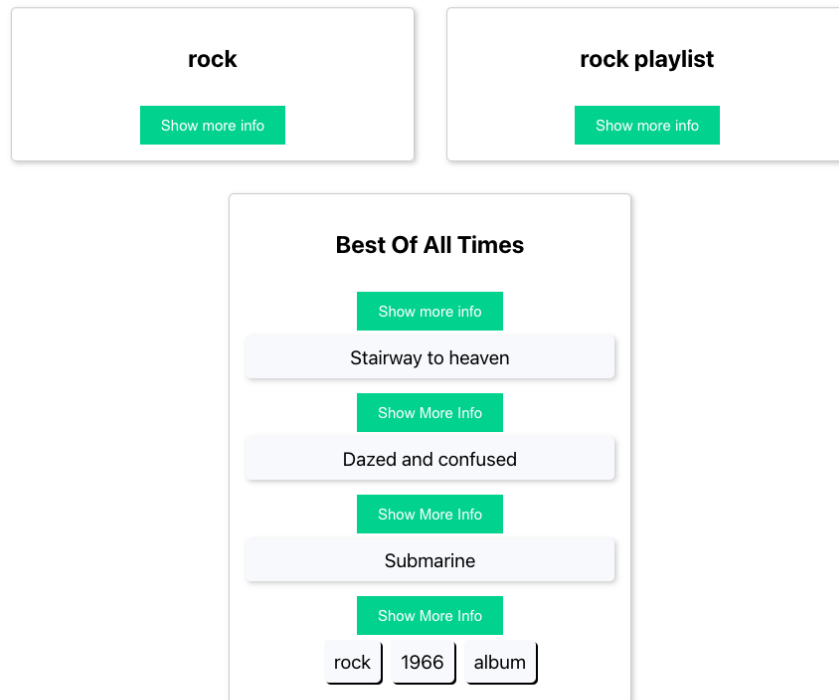
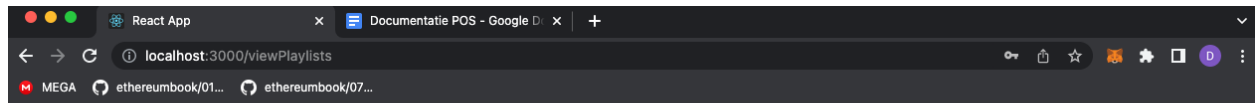
Show More Info

Dazed and confused

Show More Info

Submarine

Show More Info



Documentația nu contine toate codurile de răspuns, pentru toate metodele!
P.S: Documentația reflecta skill-urile desprinse în urma studierii intense a unei materii,
de-a lungul acestui semestru 😊