DOCUMENTATIE

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CONTROLLER SONGS

Pe ruta http://localhost:8080/api/songs, metoda GET permite: afișarea tuturor pieselor, afisarea 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 afisarea paginata a pieselor cautate dupa nume, cu potrivire partiala.

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

```
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

```
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

```
 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

```
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          {
 4              "id": 25,
 5              "name": "Flowers",
 6              "music_genre": "pop",
 7              "year_of_release": 2023,
 8              "music_type": "single",
 9              "album_id": null,
10              "links": [
11                  {
12                      "rel": "self",
13                      "href": "http://localhost:8080/api/songs/25"
14                  },
15                  {
16                      "rel": "parent",
17                      "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
18                  }
19              ]
20          }
21      ],
22      {
23          "rel": "self",
24          "href": "http://localhost:8080/api/songs/?items_per_page=10&name=Flowers{&page,match}"
25      }
26  ]
```

- 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          {
 4              "id": 19,
 5              "name": "Submarine",
 6              "music_genre": "rock",
 7              "year_of_release": 1966,
 8              "music_type": "album",
 9              "album_id": null,
10              "links": [
11                  {
12                      "rel": "self",
13                      "href": "http://localhost:8080/api/songs/19"
14                  },
15                  {
16                      "rel": "parent",
17                      "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
18                  }
19              ]
20          }
21      ],
22      {
23          "rel": "self",
24          "href": "http://localhost:8080/api/songs/?items_per_page=10&name=Submarine&match=exact{&page}"
25      }
26  ]
```

● 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**
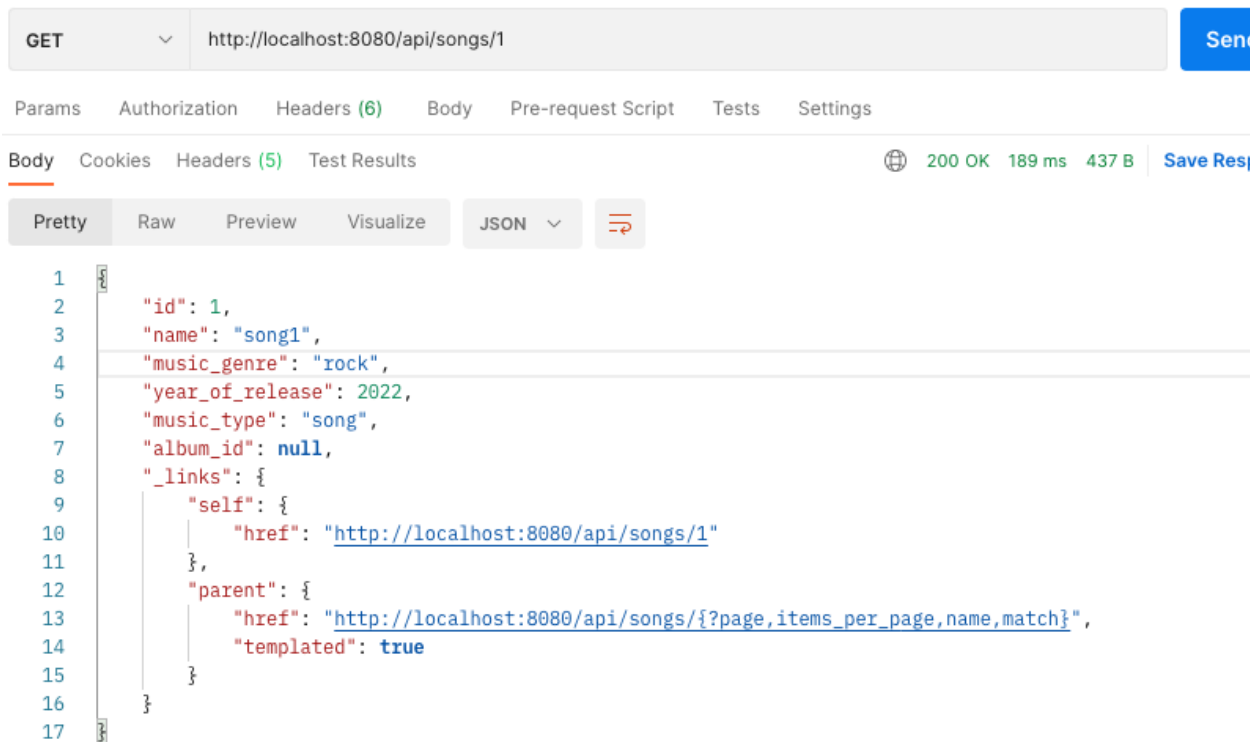
Body   Cookies   Headers (8)   Test Results   🌐   200 OK   146 ms   714 B   **Save Response** ∨

Pretty   Raw   Preview   Visualize   JSON ∨   ⇄   🔍

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

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

GET	∨	http://localhost:8080/api/songs/1		Sen

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

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

Pretty   Raw   Preview   Visualize   JSON ∨   ⇄

```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   S

Pretty   Raw   Preview   Visualize   JSON ∨   ⇄

```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 | ∨ |

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   ⊕ 403 Forbidden 369 ms 268 B Save Response ∨

Pretty   Raw   Preview   Visualize   Text ∨   ⇥

```
1  FORBIDDEN
```

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

| 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   ⊕ 422 Unprocessable Entity (WebDAV) (RFC 4918) 388 ms 319 B Save Response ∨

Pretty   Raw   Preview   Visualize   Text ∨   ⇥

```
1  Year 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


```
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          {
4              "uuid": "123456789",
5              "name": "delia",
6              "is_active": false,
7              "links": [
8                  {
9                      "rel": "self",
10                     "href": "http://localhost:8080/api/artists/123456789"
11                 },
12                 {
13                     "rel": "parent",
14                     "href": "http://localhost:8080/api/artists/{?name,match}"
15                 }
16             ]
17         }
18     ],
19     {
20         "rel": "self",
21         "href": "http://localhost:8080/api/artists/{?name,match}"
22     }
23  ]
```

- 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**

| PUT | ⌄ | http://localhost:8080/api/artists/00000000 | | 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":·"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**

| PUT | ⌄ | http://localhost:8080/api/artists/00000000 | | 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":·"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/1001008228282/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 ⌄

```json
[
    [
        {
            "id": 1,
            "name": "song1",
            "music_genre": "rock",
            "year_of_release": 2022,
            "music_type": "song",
            "album_id": null,
            "links": [
                {
                    "rel": "self",
                    "href": "http://localhost:8080/api/songs/1"
                },
                {
                    "rel": "parent",
                    "href": "http://localhost:8080/api/songs/{?page,items_per_page,name,match}"
                }
            ]
        }
    ],
    [
        {
            "rel": "self",
            "href": "http://localhost:8080/api/artists/1001008228282/songs"
        },
        {
            "rel": "parent",
            "href": "http://localhost:8080/api/artists/1001008228282"
        }
    ]
]
```

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

PUT ∨ http://localhost:8080/api/artists/1001008228282/songs/12 **Send** ∨

Params Authorization Headers (8) Body Pre-request Script Tests Settings   **Cookies**

Body Cookies Headers (3) Test Results   🌐 204 No Content 481 ms 112 B Save Response ∨

Pretty Raw Preview Visualize Text ∨ ⇄

```
1
```

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

PUT ∨ http://localhost:8080/api/artists/10010082328282/songs/12 **Send** ∨

Params Authorization Headers (8) Body Pre-request Script Tests Settings   **Cookies**

Body Cookies Headers (5) Test Results   🌐 404 Not Found 476 ms 244 B Save Response ∨

Pretty Raw Preview Visualize JSON ∨ ⇄

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

CONTROLLER PLAYLISTS:

- GET http://localhost:8080/api/playlists - **200 OK**


```json
[
    [
        {
            "id": "638b54688b4f500c9ad0b248",
            "user_id": 2,
            "name": "favMusicChillMix",
            "songs": [
                {
                    "id": 1,
                    "name": "song1",
                    "selfLink": "http://localhost:8080/api/songs/1"
                }
            ],
            "links": [
                {
                    "rel": "self",
                    "href": "http://localhost:8081/api/playlists/638b54688b4f500c9ad0b248"
                },
                {
                    "rel": "parent",
                    "href": "http://localhost:8081/api/playlists/"
                }
            ]
        },
        {
            "id": "6395ce83652a5c787d10fac9",
            "user_id": 1,
            "name": "myMusic",
            "songs": [
                {
                    "id": 1,
                    "name": "song1",
                    "selfLink": "http://localhost:8080/api/songs/1"
                },
                {
                    "id": 2,
                    "name": "song2",
                    "selfLink": "http://localhost:8080/api/songs/2"
```

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

```
GET ∨    http://localhost:8081/api/playlists/63cd60d91c543b03f05953e1          Send ∨
```

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

Body   Cookies   Headers (5)   Test Results   🌐 200 OK   165 ms   646 B   Save Response ∨

Pretty   Raw   Preview   Visualize   JSON ∨   ⇥

```json
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

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

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

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

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

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

CONTROLLER PROFILES:

- GET http://localhost:8080/api/profiles - **200 OK**

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

```
1   {
2       "id": "63c86f24b09acf4a6eb3f90a",
3       "user_id": 4,
4       "first_name": "gabi",
5       "last_name": "scinteie",
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 ⌄

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

Body   Cookies   Headers (8)   Test Results   ⊕ 201 Created   288 ms   555 B   Save Response ⌄

Pretty   Raw   Preview   Visualize   JSON ⌄

```
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 ⌄

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

Body   Cookies   Headers (8)   Test Results   ⊕ 422 Unprocessable Entity (WebDAV) (RFC 4918)   156 ms   318 B   Save Response ⌄

Pretty   Raw   Preview   Visualize   Text ⌄

```
1  Unprocessable request body!
```

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

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

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

| PATCH | ∨ | http://localhost:8081/api/profiles/63c86f24b09acf4a6eb3f90a?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      "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**
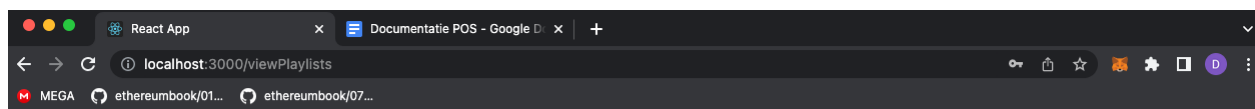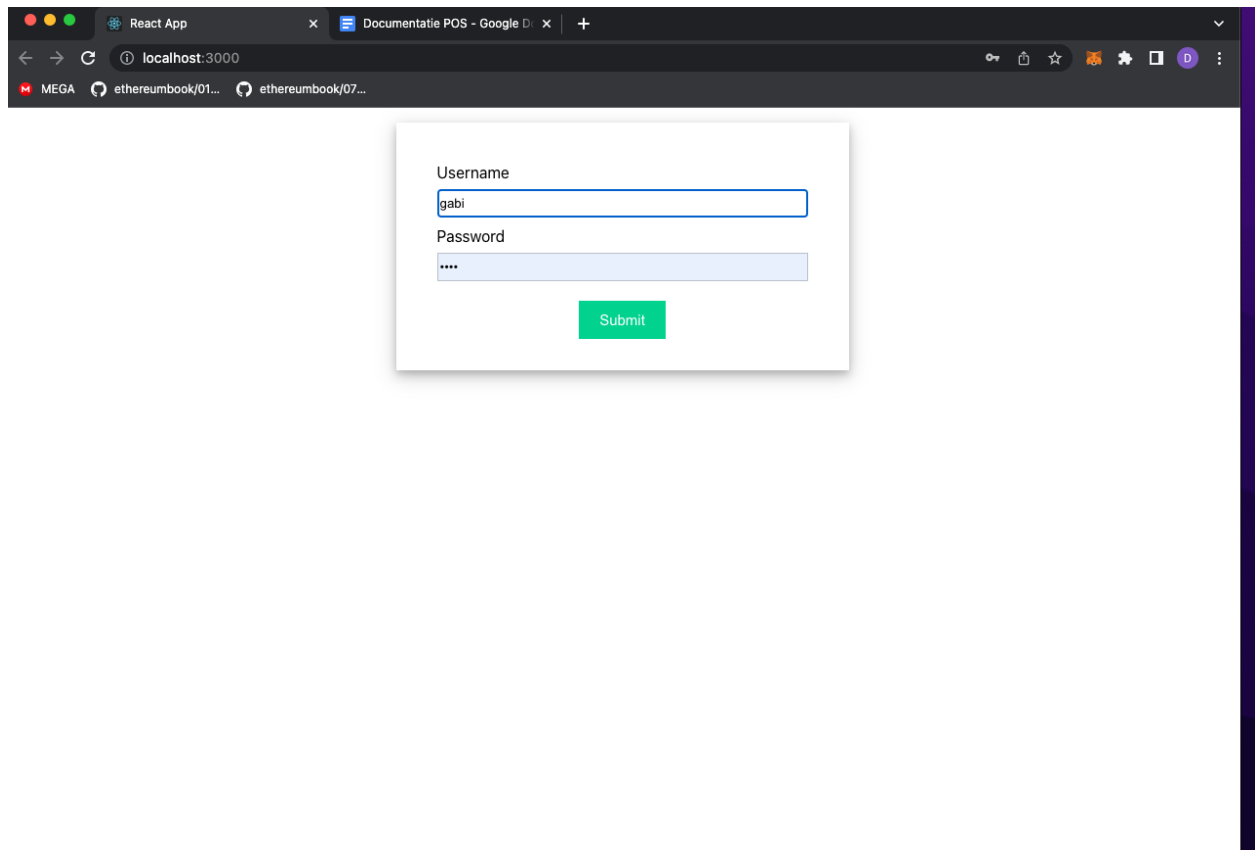
| DELETE | ∨ | http://localhost:8081/api/profiles/63cd8e9f1c543b03f05953e5 | | Send | ∨ |

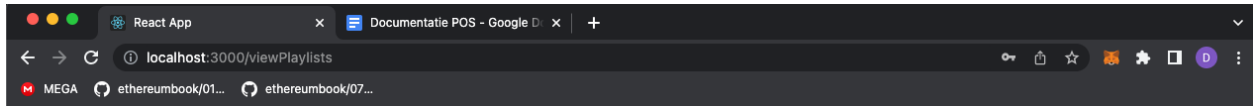Params   Authorization   Headers (7)   Body   Pre-request Script   Tests   Settings   **Cookies**

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

Pretty   Raw   Preview   Visualize   Text ∨

```
1
```

REACT:
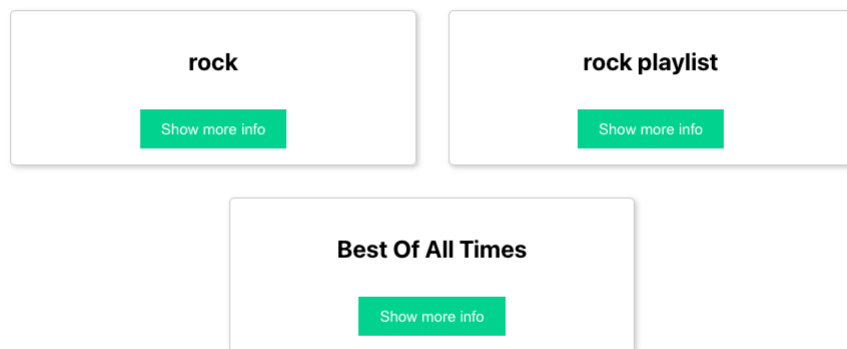
rock

Show more info

rock playlist

Show more info

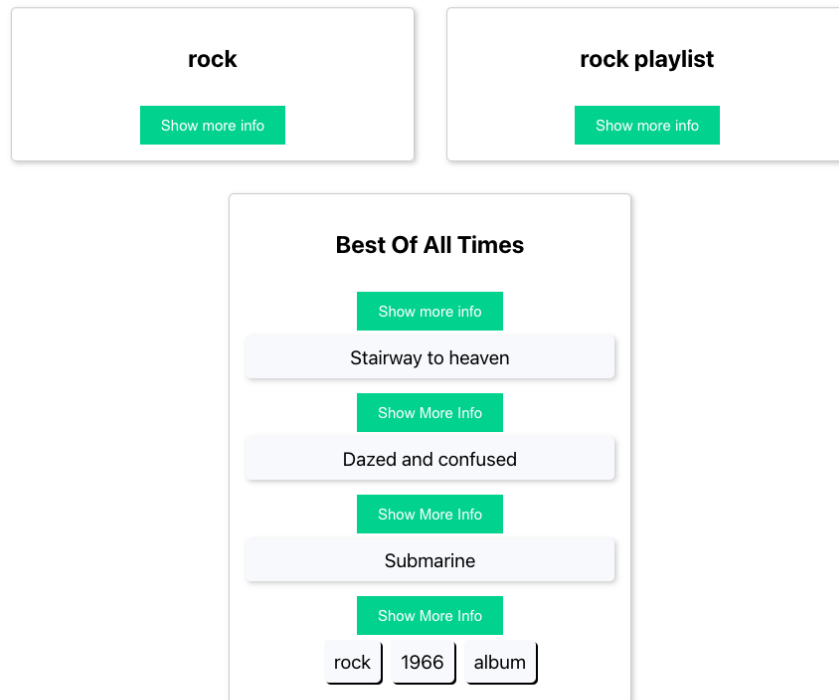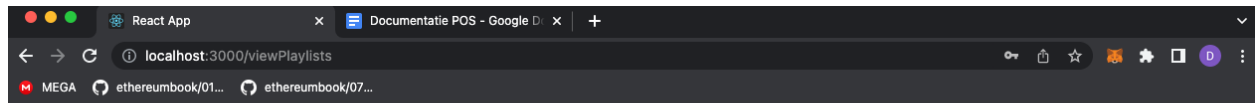**Best Of All Times**

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 😀