

Groups Related API

Groups Related API

The Groups API allows users to create and manage groups, handle member requests, add or remove movies and showtimes within a group, and view group details.

Endpoints Overview

1. **Create Group** (`POST /groups/create`): Create a new group.
2. **Get All Groups** (`GET /groups`): Fetch a list of all groups.
3. **Get Group Details** (`GET /groups/:id`): Retrieve details for a specific group, including members and associated movies/showtimes.

4. **Delete Group** (DELETE /groups/:id): Delete a group created by the authenticated user.
5. **Request to Join Group** (POST /groups/:id/join): Request to join a specific group.
6. **Handle Join Request** (POST /groups/requests/:request_id): Accept or reject a join request.
7. **Remove Member** (DELETE /groups/:group_id/members/:user_id): Remove a specific member from a group.
8. **Leave Group** (DELETE /groups/:id/leave): Allows a user to leave a group they are part of.
9. **Get Pending Join Requests** (GET /groups/:id/requests): Fetch a list of pending join requests for a specific group.
10. **Add Movie to Group** (POST /groups/:group_id/movies): Add a movie to a group.
11. **Get Group Movies** (GET /groups/:id/movies): Fetch all movies associated with a specific group.

12. **Remove Movie from Group** (DELETE
/groups/:group_id/movies/:movie_id): Remove a movie from a specific group.
 13. **Add Showtime to Group** (POST
/groups/:group_id/showtimes): Add a showtime to a group.
 14. **Get Group Showtimes** (GET
/groups/:id/showtimes): Retrieve all showtimes associated with a specific group.
 15. **Remove Showtime from Group** (DELETE
/groups/:group_id/showtimes/:showtime_id): Remove a showtime from a specific group.
-

Authorization

Most endpoints require a **JWT Bearer Token**

POST Create Group

<http://localhost:5000/api/groups/create>

Create Group Endpoint

Description:

Creates a new group. The authenticated user becomes the owner of the group.

Method: POST

URL:

`http://localhost:5000/api/groups/create`

Headers:

- `Authorization: Bearer`
- `Content-Type: application/json`

Request Body (JSON):

```
json

{
  "group_name": "Movie Lovers"
}
```

Responses:

- **200 OK:** Group created successfully.
- **400 Bad Request:** Invalid input.
- **401 Unauthorized:** Missing or invalid token.

HEADERS

Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkIjo2NCwiZW1haWwiOiJraGF0cmkxMEBnbWFpbC5jb20iLCJ1c2VybmFtZSI6InVzZXI2NCIsImIhdCI6MTczMzg2MTE0NiwiZXhwljoxNzMzOTA0MzQ2fQ.X1ngZw1V_t9tmyhvVT7kAchIHpsRdCHh9nW-0nm1t8A
----------------------	---

Content-Type	application/json
---------------------	------------------

Body raw (json)

```
json
```

```
{  
  "group_name": "Movie Lovers"  
}
```

GET Get All Groups

`http://localhost:5000/api/groups`

Get All Groups Endpoint

Fetches all groups available in the system. Each group includes its name, member count, creation time, and owner details.

- **Method:** GET

- **URL:**

`http://localhost:5000/api/groups`

Headers:

None required.

Request Body (JSON):

None.

Response

- Status: 200: Groups fetched successfully.
- **500 Internal Server Error:** Unexpected issue.

Example response body:

json

```
{  
  "groups": [  
    {  
      "group_id": 0,  
      "owner_id": 0,  
      "group_name": "",  
      "created_at": "",  
      "first_name": "",  
    }  
  ]  
}
```

```
"last_name": "",  
"member_count": ""
```

GET Get Group Details

<http://localhost:5000/api/groups/9>

Get Group Details Endpoint

Fetches detailed information about a specific group by its ID. Includes group name, owner details, and membership status.

Method:

GET

URL:

<http://localhost:5000/api/groups/:id>

Headers:

- Authorization: Bearer

Request Body (JSON):

None.

Responses:

200 OK: Group details fetched successfully.

401 Unauthorized: Missing or invalid token.

404 Not Found: Group not found.

Example

json

```
{
  "group": {
    "group_id": 0,
    "owner_id": 0,
    "group_name": "",
    "created_at": "",
    "owner_first_name": "",
    "owner_last_name": "",
    "is_member": true,
    "has_pending_request": true,
    "members": [
```

HEADERS

Authorization

Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkIjo2NCwiZW1haWwiOiJraGF0cmkxMEBnbWFpbC5jb20iLCJ1c2VybmFtZSI6InVzZXI2NCIsImIhdCI6MTczMzg2MTE0NiwiZXhwljoxNzMzOTA0MzQ2fQ.X1ngZw1V_t9tmyhvVT7kAchIHpsRdCHh9nW-0nm1t8A

POST Group Join Request

<http://localhost:5000/api/groups/9/join>

Request Join Group Endpoint**Description:**

Allows a user to request to join a specific group by its ID.

Method:

POST

URL:

<http://localhost:5000/api/groups/:id/join>

Headers:

- Authorization: Bearer

Request Body (JSON):

None.

Responses:

- **200 OK:** Join request sent successfully.
- **401 Unauthorized:** Missing or invalid token.
- **404 Not Found:** Group not found.
- **409 Conflict:** User already a member or has a pending request.

json

```
{
```

```
  "message": ""
```

```
}
```

JSON Schema

json

```
{  
  "type": "object",  
  "properties": {  
    "message": {  
      "type": "string"  
    }  
  }  
}
```

HEADERS

Authorization

Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpzZW50a3V5IiwiaWF0IjoxNTE2MzQ0MDAwM30.
XVCJ9.eyJ1c2VyX2lkljo5MSwiZW50a3V5IiwiaWF0IjoxNTE2MzQ0MDAwM30.
1haWwiOiJtb3ZpcTg5OUBnbWFPbC5jb20iLCJ1c2VybmFtZSI6Iklk1lc3NpTE0xMCIslmIhdCI6MTczMzg2NDA5NCwiZXhwIjo5NzZOTA3

Mjk0fQ.ZidbQJAjwM-
hKa8RVv7pwyTWzvrsn2TB40uKI
LHcWFQ

GET Group requests

<http://localhost:5000/api/groups/9/requests>

Get Pending Requests Endpoint

Fetches all pending join requests for a specific group by its ID. Only accessible by the group owner.

Method:

GET

URL:

<http://localhost:5000/api/groups/:id/requests>

Headers:

- Authorization: Bearer

Request Body (JSON):

None.

Responses:

- **200 OK:** Pending requests fetched successfully.
- **401 Unauthorized:** Missing or invalid token.
- **403 Forbidden:** User is not the owner of the group.
- **404 Not Found:** Group not found.

Example Response Body:

json

```
{  
  "requests": [  
    {  
      "request_id": 0,  
      "created_at": "",  
      "user_id": 0,  
      "first_name": "",  
      "last_name": ""  
    }  
  ]  
}
```

```
]
```

The response contains an array of request objects, each with request_id, created_at, user_id, first_name, and last_name fields.

HEADERS

Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkIjo2NCwiZW1haWwiOiJraGF0cmkxMEBnbWFpbC5jb20iLCJ1c2VybmFtZSI6InVzZXI2NCIsImIhdCI6MTczMzg2NDcyOSwiZXhwljoxNzMzOTA3OTI5fQ.q40w0s-6iOj_X_UQDpnDE7ngPAb5nlpc6BzMqyO4AT0
----------------------	---

POST Accept/Reject Group Requests

<http://localhost:5000/api/groups/requests/5>

Join Request Endpoint

Allows the group owner to accept or reject a pending join request by its request ID.

Method:

POST

URL:

http://localhost:5000/api/groups/requests/:request_id

Headers:

- Authorization: Bearer
- Content-Type: application/json

Request Body (JSON):

```
json
```



```
{  
  "action": "accept" // or "reject"  
}
```

json

```
{  
  "type": "object",  
  "properties": {  
    "message": {  
      "type": "string"  
    }  
  }  
}
```

- `message` (string): A message indicating the result of the request.

Example Response

json

```
{  
  "message": ""  
}
```

```
}
```

HEADERS

Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkIjo2NCwiZW1haWwiOiJraGF0cmkxMEBnbWFpbC5jb20iLCJ1c2VybmFtZSI6ImVzZXI2NCIsImIhdCI6MTczMzg2NTlyNywiZXhwljoxNzMzOTA4NDI3fQ.Vz5w-d-EjAvPsyZmDVWd-POrUVu1AalxXwQey_f1wGo
----------------------	---

Content-Type	application/json
---------------------	------------------

Body raw (json)

```
json
```

Σ

POST Add Movies

http://localhost:5000/api/groups/9/movies

Add Movie to Group Endpoint

Allows a user to add a movie to a specific group by its ID. The movie is identified using its `tmdb_id`.

Method:

POST

URL:

```
http://localhost:5000/api/groups/:group_id/movies
```

Headers:

- Authorization: Bearer
- Content-Type: application/json

Request Body (JSON):

json

```
{  
  "tmdb_id": 12345  
}
```

Example response:

json

```
{  
  "message": ""  
}
```

HEADERS

Authorization

Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkIjo2NCwiZW1haWwiOiJraGF0cmkxMEBnbWF

pbC5jb20iLCJ1c2VybmFtZSI6InV
zZXI2NCIsImIhdCI6MTczMzg2NT
lyNywiZXhwljoxNzMzOTA4NDI3f
Q.Vz5w-d-EjAvPsyZmDVWd-
POrUVu1AalxXwQey_f1wGo

Body raw (json)

json

```
{  
  "tmdb_id": 12345  
}
```

GET Get Movies

<http://localhost:5000/api/groups/9/movies>

Get Group Movies Endpoint

Retrieves all movies added to a specific group by its ID.

Method:

GET

URL:

http://localhost:5000/api/groups/:id/movies

Headers:

- Authorization: Bearer

Request Body (JSON):

None.

HEADERS

Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkljo2NCwiZW1haWwiOiJraGF0cmkxMEBnbWFpbC5jb20iLCJ1c2VybmFtZSI6InV
----------------------	--

zZXI2NCIsImIhdCI6MTczMzg2NT
lyNywiZXhwIjoxNzMzOTA4NDI3f
Q.Vz5w-d-EjAvPsyZmDVWd-
POrUVu1AalxXwQey_f1wGo

DELETE Remove Movie

http://localhost:5000/api/groups/9/movies/1
7

DELETE

**/api/groups/{group_id}/movies/{movie
_id}**

This endpoint is used to delete a specific movie from a group.

Request

No request body is required for this endpoint.

- `group_id` : The ID of the group from which the movie will be deleted.
- `movie_id` : The ID of the movie to be deleted from the group.

Response

The response for this request is a JSON object with the following schema:

json

```
{
  "type": "object",
  "properties": {
    "message": {
      "type": "string"
    }
  }
}
```

The response contains a `message` field, which provides information about the success or failure of the deletion operation.

Example

json

```
{  
  "message": ""  
}
```

HEADERS

Authorization

Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkljo2NCwiZW1haWwiOiJraGF0cmkxMEBnbWFpbC5jb20iLCJ1c2VybmFtZSI6InVzZXI2NCIsImIhdCI6MTczMzg2NTlyNywiZXhwljoxNzMzOTA4NDI3fQ.Vz5w-d-EjAvPsyZmDVWd-POrUVu1AalxXwQey_f1wGo

POST Add ShowTime

http://localhost:5000/api/groups/9/showtimes

POST

/api/groups/{group_id}/showtimes

This endpoint is used to add a showtime for a specific movie in a group.

Request

The request body should be in JSON format and contain the following parameters:

- `movie_title` : The title of the movie for which the showtime is being added.
- `theatre` : The name of the theatre where the movie will be shown.
- `start_time` : The start time of the show in ISO 8601 format.
- `end_time` : The end time of the show in ISO 8601 format.

Response

The response for this request is a JSON object with the following schema:

json

```
{
  "type": "object",
  "properties": {
    "message": {
      "type": "string"
    },
    "showtime": {
      "type": "object",
      "properties": {
        "showtime_id": {
          "type": "integer"
        }
      }
    }
  }
}
```

The response contains a `message` field, which provides information about the success or failure of the showtime addition, and a `showtime` object with details of the added showtime.

Example

json

```
{  
  "message": "",  
  "showtime": {  
    "showtime_id": 0,  
    "group_id": 0,  
    "movie_title": "",  
    "theatre": "",  
    "start_time": "",  
    "end_time": "",  
    "added_by": 0,  
    "added_at": ""  
  }  
}
```

HEADERS

Authorization

Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkljo2NCwiZW1haWwiOiJraGF0cmkxMEBnbWFpbC5jb20iLCJ1c2VybmFtZSI6InVzZXI2NCIsImIhdCI6MTczMzg2NTlyNywiZXhwljoxNzMzOTA4NDI3fQ.Vz5w-d-EjAvPsyZmDVWd-POrUVu1AalxXwQey_f1wGo

Body raw (json)

json

```
{  
  "movie_title": "Inception",  
  "theatre": "Cineplex Downtown",  
  "start_time": "2024-12-15T19:30:00Z",  
  "end_time": "2024-12-15T22:00:00Z"  
}
```

GET Get Showtimes

http://localhost:5000/api/groups/9/showtim

Get Group Showtimes Endpoint

Retrieves all showtimes for a specific group by its ID.

Method:

GET

URL:

http://localhost:5000/api/groups/9/showti
mes

Headers:

- Authorization: Bearer

Request Body (JSON):

None.

Response Body (JSON Schema):

json

```
{  
  "showtimes": [  
    {  
      "showtime_id": "number",  
      "group_id": "number",  
      "movie_title": "string",  
      "theatre": "string",  
      "start_time": "string",  
      "end_time": "string",  
      "added_by": "number",  
      "added_at": "string",  
    }  
  ]  
}
```

HEADERS

Authorization

Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkIjo2NCwiZW1haWwiOiJraGF0cmkxMEBnbWFpbC5jb20iLCJ1c2VybmFtZSI6InVzZXI2NCIsImIhdCI6MTczMzg2NTlyNywiZXhwljoxNzMzOTA4NDI3fQ.Vz5w-d-EjAvPsyZmDVWd-POrUVu1AalxXwQey_f1wGo

DELETE Delete Showtimes

http://localhost:5000/api/groups/9/showtimes/2

Delete Group Showtime Endpoint

Deletes a specific showtime for a group by its ID.

Method:

DELETE

URL:

http://localhost:5000/api/groups/9/showti
mes/2

Headers:

- Authorization: Bearer

Request Body (JSON):

None.

Response Body (JSON Schema):

json

```
{  
  "message": "string"  
}
```

HEADERS

Authorization

Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6Ikp
XVCJ9.eyJ1c2VyX2lkIjo2NCwiZW

1haWwiOiJraGF0cmkxMEBnbWF
pbC5jb20iLCJ1c2VybmFtZSI6InV
zZXI2NCIsImIhdCI6MTczMzg2NT
lyNywiZXhwljoxNzMzOTA4NDI3f
Q.Vz5w-d-EjAvPsyZmDVWd-
POrUVu1AalxXwQey_f1wGo

DELETE Leave Group

<http://localhost:5000/api/groups/9/leave>

Request

This endpoint is used to make an HTTP DELETE request to leave a specific group.

Request Body

This request does not require a request body.

Response

The response for this request is a JSON object with a "message" key. The "message" key is a string that provides information about the result of the operation.

Response Schema

json

```
{
  "type": "object",
  "properties": {
    "message": {
      "type": "string"
    }
  }
}
```

HEADERS

Authorization

Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkIjo5MSwiZW1haWwiOiJtb3ZpcTg5OUBnbWZp

bC5jb20iLCJ1c2VybmFtZSI6Ik1lc
3NpTE0xMCIslmlhdCI6MTczMzg
2NzY0NCwiZXhwljoxNzMzOTEw
ODQ0fQ.wEcWnsD5bQwEoEalGL
zAOjKfAT2c3USYb_XIKPsRASY

DELETE Delete Group

`http://localhost:5000/api/groups/9`

Delete Group

This endpoint is used to delete a specific group by providing the group ID in the URL.

Request Body

This request does not require a request body.

Response

- Status: 200

- Content-Type: application/json

Example Response:

json

```
{  
  "message": ""  
}
```

HEADERS

Authorization

Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX2lkIjo2NCwiZW1haWwiOiJraGF0cmkxMEBnbWFpbC5jb20iLCJ1c2VybmFtZSI6InVzZXI2NCIsImIhdCI6MTczMzg2Nzc2OSwiZXhwljoxNzMzOTUwOTY5fQ.o_zLjXareJ6BFai3VG-1SqLtf6CO2shDuZrByXq0RQ

