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Groups API Documentation

This document provides details about the available API endpoints for managing groups in the **ELibAPI** system.

Base URL:

```
/api/Groups
```

Endpoints

1. Add a New Group

- **Endpoint:** `POST /api/Groups/add-group`
- **Description:** Adds a new group.
- **Authorization:** Required (JWT Token)
- **Consumes:** `application/x-www-form-urlencoded` or `application/json`

Request Example:

```
POST /api/Groups/add-group HTTP/1.1
Host: yourapi.com
Content-Type: application/json
Authorization: Bearer <your-jwt-token>

{
  "Name": "Mathematics Group"
}
```

Response Example:

```
{
  "status": true,
  "message": "Group successfully added!"
}
```

Response Code:

- `200 OK` - Successfully added the group.

- **400 Bad Request** - Group already exists or missing data.
-

2. Update an Existing Group

- **Endpoint:** **POST** /api/Groups/update-group
- **Description:** Updates the details of an existing group.
- **Authorization:** Required (JWT Token)

Request Example:

```
POST /api/Groups/update-group HTTP/1.1
Host: yourapi.com
Content-Type: application/json
Authorization: Bearer <your-jwt-token>

{
  "group_id": 1,
  "name": "Updated Group Name",
  "group_for": "High School"
}
```

Response Example:

```
{
  "status": true,
  "message": "Group successfully updated!"
}
```

Response Code:

- **200 OK** - Successfully updated the group.
 - **400 Bad Request** - Group not found or name already exists.
-

3. Add a Teacher to a Group

- **Endpoint:** **POST** /api/Groups/add-teacher-to-group
- **Description:** Adds a teacher to a group.
- **Authorization:** Required (JWT Token)

Request Example:

```
POST /api/Groups/add-teacher-to-group HTTP/1.1
Host: yourapi.com
Content-Type: application/json
```

```
Authorization: Bearer <your-jwt-token>
```

```
{  
  "teacher_id": 5,  
  "group_id": 2  
}
```

Response Example:

```
{  
  "status": true,  
  "message": "Teacher successfully added to Mathematics Group!"  
}
```

Response Code:

- **200 OK** - Successfully added the teacher to the group.
 - **400 Bad Request** - Invalid user data or group not found.
-

4. Delete a Group

- **Endpoint:** **DELETE** /api/Groups/{group_id}
- **Description:** Deletes a group by its ID.
- **Authorization:** Required (JWT Token)

Request Example:

```
DELETE /api/Groups/3 HTTP/1.1  
Host: yourapi.com  
Authorization: Bearer <your-jwt-token>
```

Response Example:

```
{  
  "message": "Successfully deleted!"  
}
```

Response Code:

- **200 OK** - Successfully deleted the group.
 - **404 Not Found** - Group not found.
-

Error Codes

- **400 Bad Request** - The request is invalid, or some required fields are missing.
 - **401 Unauthorized** - Authentication failed, or no valid token provided.
 - **404 Not Found** - The specified resource could not be found.
 - **500 Internal Server Error** - There was an unexpected error processing the request.
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Notes

- Ensure the **Authorization header** is included in all requests requiring authentication.
- Group names should be unique to avoid conflicts.
- Only users with the necessary permissions can add or remove groups.