

API Class

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Quick Documentation for the Frontend Developers

This documentation provides a brief overview of each endpoint available for managing classes and enrollments. All endpoints require the user to be authenticated (with a valid token or session), and some endpoints are restricted by user role (educator vs. student).

1. Classes Management

a. List & Create Classes

- **Endpoint:** GET/POST /classes/
- **Description:**
 - **GET:** Returns a list of all classes.
 - **POST:** Creates a new class.

Note: Only educators can create a class. The POST request checks that the authenticated user is an educator.

- **Payload for POST:**

JSON ▾

```
{
  "title": "Math 101",
  "tags": ["math", "beginner"],
  "schedule": "Mondays 10-12",
  "description": "Introduction to basic mathematics.",
  "syllabus": "Algebra, geometry, and statistics"
}
```

- **Response:**

Returns the serialized class data with an auto-generated ID and the educator set as the author.

b. Retrieve, Update & Delete a Class

- **Endpoint:** `GET/PUT/PATCH/DELETE /classes/<int:pk>/`
- **Description:**
 - These actions work only for classes that the educator (the current authenticated user) has created.
 - **GET:** Retrieve details of a specific class.
 - **PUT/PATCH:** Update the class details.
 - **DELETE:** Remove the class.

2. Enrollment Management (Educators)

a. Create Enrollment Request (Student)

- **Endpoint:** `POST /enroll/`
- **Description:**

Students use this endpoint to request enrollment in a class.
- **Payload:**

```
JSON ∨  
{  
  "class_obj": 3  
}
```

Here, `3` is the ID of the class.

- **Response:**

Returns the enrollment request details with status set to `"pending"`.

b. List Enrollment Requests (Educators)

- **Endpoint:** `GET /enrollments/`
- **Description:**

Educators use this endpoint to view all enrollment requests for their classes.

c. Update Enrollment Status (Educators)

- **Endpoint:** `PATCH /enrollments/<int:pk>/`
- **Description:**

Educators use this endpoint to update the status of an enrollment request (e.g., accept or decline).
- **Payload Example:**

JSON ▾

```
{  
  "status": "accepted"  
}
```

3. Enrollment Management (Students)

a. List Student's Enrollment Requests

- **Endpoint:** GET /student/enrollments/

- **Description:**

Students can view all of their enrollment requests (both pending and those with a decision).

b. Cancel Enrollment Request

- **Endpoint:** DELETE /student/enrollments/<int:pk>/

- **Description:**

Students can cancel (delete) an enrollment request.

If the enrollment was already accepted, the student will be removed from the class's enrolled students list.

4. Classes View for Students

a. List Available Classes (Not Yet Accepted)

- **Endpoint:** GET /student/classes/available/

- **Description:**

Returns a list of classes where the student is **not** yet accepted (i.e., the student is not in the class's `enrolled_students` list).

This can be used to show classes available for enrollment.

b. List Accepted Classes (Enrolled)

- **Endpoint:** GET /student/classes/accepted/

- **Description:**

Returns a list of classes where the student **is** accepted (i.e., the student is in the class's `enrolled_students` list).

This helps students quickly view the classes they are enrolled in.

Authentication & Headers

- **Authentication:**

All endpoints require authentication. Include the appropriate token (or session cookie) in your requests.

- **Example Header:**

Plain Text ▾

```
Authorization: Token <your-token-here>
```

Response Format

- **Response:**

All endpoints return JSON responses.

For successful operations:

- **200 OK** for GET and PATCH requests.
- **201 Created** for successful POST requests.
- **204 No Content** for DELETE requests.

- **Error Responses:**

In case of invalid data or permission issues, appropriate error messages will be returned with status codes such as **400 Bad Request** or **403 Forbidden**.