

CRUD Endpoints Interaction

Flask API lets the frontend (React app) create, read, update, and delete overlays that appear on the video stream.

1. GET → Read Overlay

When you send a GET request to `/api/overlays`, it returns a list of all overlays stored in MongoDB.

Think of it like: "Show me all the comments/overlays that exist right now."

How to use it (example with browser or Postman):

GET <http://localhost:8000/api/overlays>

What you'll get back:

A list of overlays (in JSON)

2. POST → Create Overlay

When you send a POST request to `/api/overlays`, it creates a brand-new overlay in the database.

Think of it like: "Add a new sticky note on top of the video."

How to use it:

POST <http://localhost:8000/api/overlays>

What you'll get back:

The newly created overlay, with an id added

3. PUT → Update Overlay

When you send a PUT request to `/api/overlays/:id`, it changes something about an existing overlay (like text, position, size).

Think of it like: "Move or edit an existing sticky note."

How to use it:

PUT <http://localhost:8000/api/overlays/64f0b2c9f9d...>

What you'll get back:

The updated overlay

4. DELETE → Remove Overlay

When you send a DELETE request to `/api/overlays/:id`, it removes the overlay from the database.

Think of it like: "Take the sticky note off the video."

How to use it:

DELETE <http://localhost:8000/api/overlays/64f0b2c9f9d...>

What you'll get back:

Nothing, just an empty 204 No Content response → means “successfully deleted”.

Summary:

- GET /api/overlays → See all overlays
- POST /api/overlays → Add a new overlay
- PUT /api/overlays/:id → Change an existing overlay
- DELETE /api/overlays/:id → Remove an overlay
- GET /hls/stream.m3u8 → Play the video