API Documentation - Livestream Overlays(Live-Sitter Assignment)

# Overview

This API allows interaction with the \*\*Livestream Overlays\*\* application, enabling users to manage video stream overlays through CRUD operations.

# Base URL

<https://your-api-domain.com/api>

# Authentication

Use Bearer token in the Authorization header for protected endpoints:

Authorization: Bearer <your\_token\_here>

# Endpoints

1. Create Overlay

- POST `/overlays`

- Request Body:

Json:

{

"overlay\_type": "text or image",

"content": "The text or image URL",

"position": { "x": 0, "y": 0 },

"size": { "width": 100, "height": 100 }

}

- Response: `201 Created` with overlay details.

2. Get All Overlays

- GET `/overlays`

- Response: `200 OK` with array of overlays.

3. Get Overlay by ID

- GET `/overlays/:id`

- Response : `200 OK` with overlay details or `404 Not Found`.

4. Update Overlay

- PUT `/overlays/:id`

- Request Body:

Json:

{

"overlay\_type": "text or image",

"content": "Updated content",

"position": { "x": 0, "y": 0 },

"size": { "width": 150, "height": 150 }

}

- Response: `200 OK` with updated overlay or `404 Not Found`.

5. Delete Overlay

- DELETE `/overlays/:id`

- Response: `204 No Content` or `404 Not Found`.

* Example Requests

# Create Overlay

```bash

curl -X POST https://your-api-domain.com/api/overlays \

-H "Content-Type: application/json" \

-H "Authorization: Bearer your\_token\_here" \

-d '{ "overlay\_type": "text", "content": "Hello, World!", "position": { "x": 100, "y": 150 }, "size": { "width": 200, "height": 50 } }'

# Get All Overlays

```bash

curl -X GET https://your-api-domain.com/api/overlays \

-H "Authorization: Bearer your\_token\_here"

```

# Update Overlay

```bash

curl -X PUT https://your-api-domain.com/api/overlays/overlay\_id \

-H "Content-Type: application/json" \

-H "Authorization: Bearer your\_token\_here" \

-d '{ "overlay\_type": "image", "content": "https://example.com/new-image.jpg", "position": { "x": 50, "y": 100 }, "size": { "width": 250, "height": 200 } }'

```

# Delete Overlay

```bash

curl -X DELETE https://your-api-domain.com/api/overlays/overlay\_id \

-H "Authorization: Bearer your\_token\_here"

```

# Conclusion

This documentation provides a summary of the CRUD operations for managing overlays in the Livestream Overlays application.