Assignment Report

# Task 1 – FastAPI and MongoDB Setup

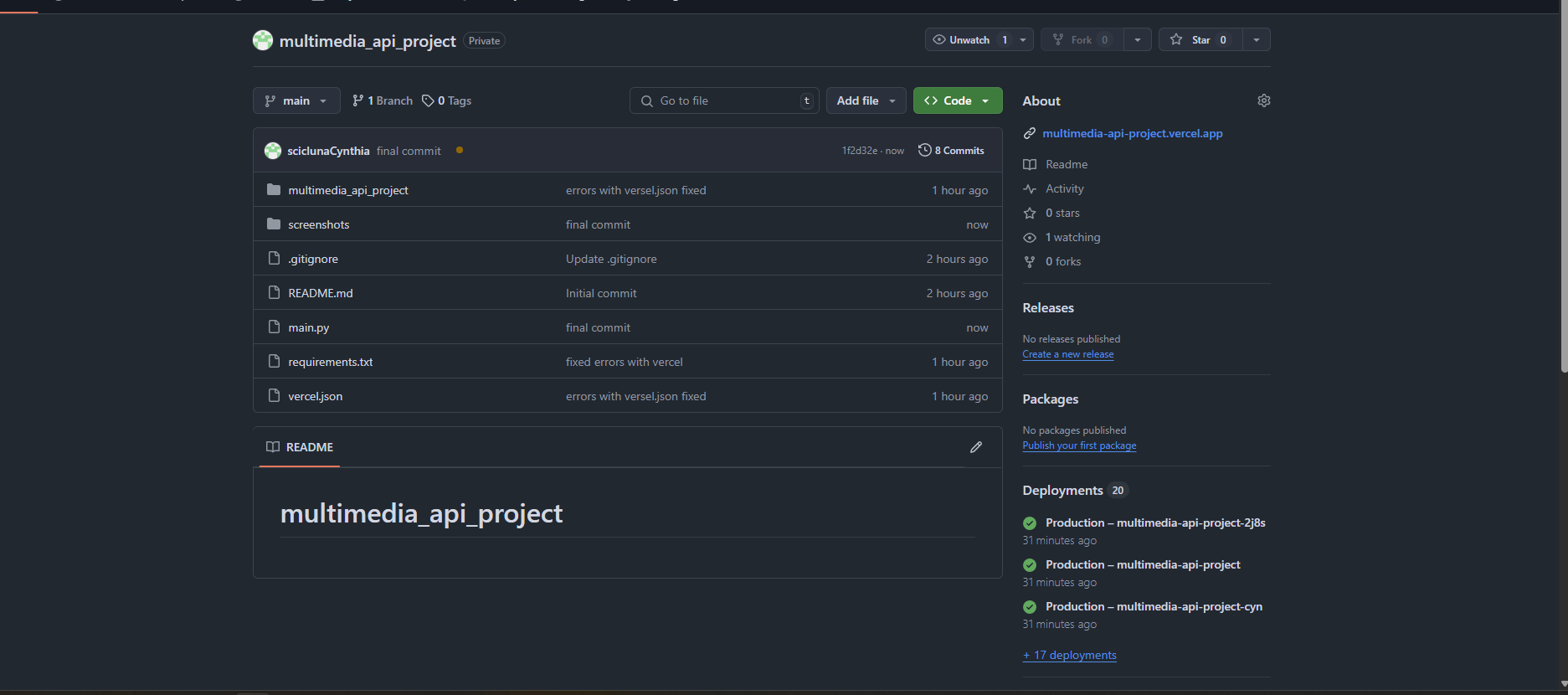
GitHub Repository link:   
  


Figure shows github repositry project files

A screenshot of a computer

AI-generated content may be incorrect.

Figure shows MongoDB Atlas cluster dashboard

A screenshot of a computer

AI-generated content may be incorrect.

Figure Successful deployment of vercel app live

# Task 2 – Mock Data Upload to MongoDB

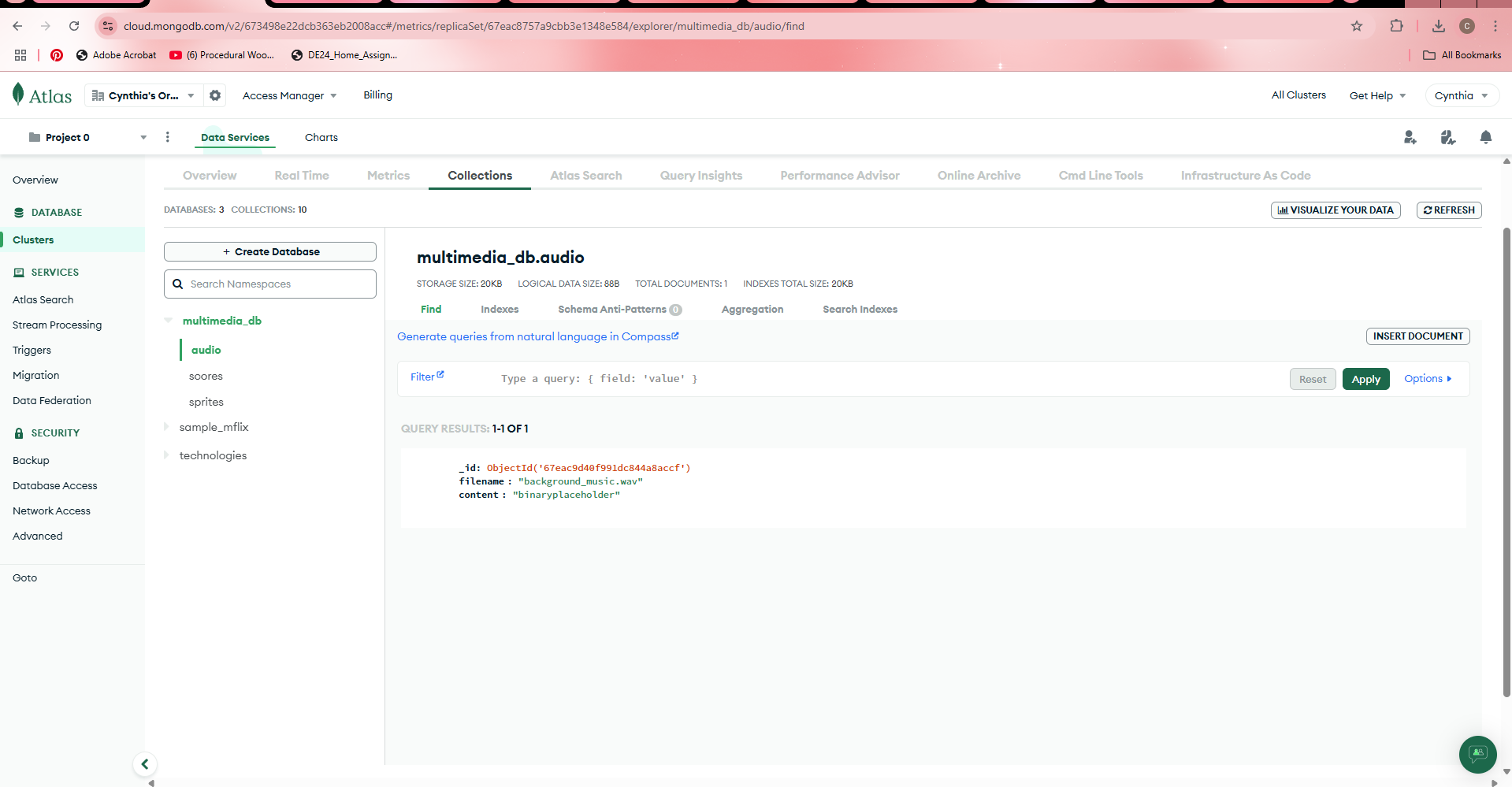


Figure shows audios

A screenshot of a computer

AI-generated content may be incorrect.

Figure shows scores

A screenshot of a computer

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Figure shows sprites

# Task 3 – API Testing via Swagger UI

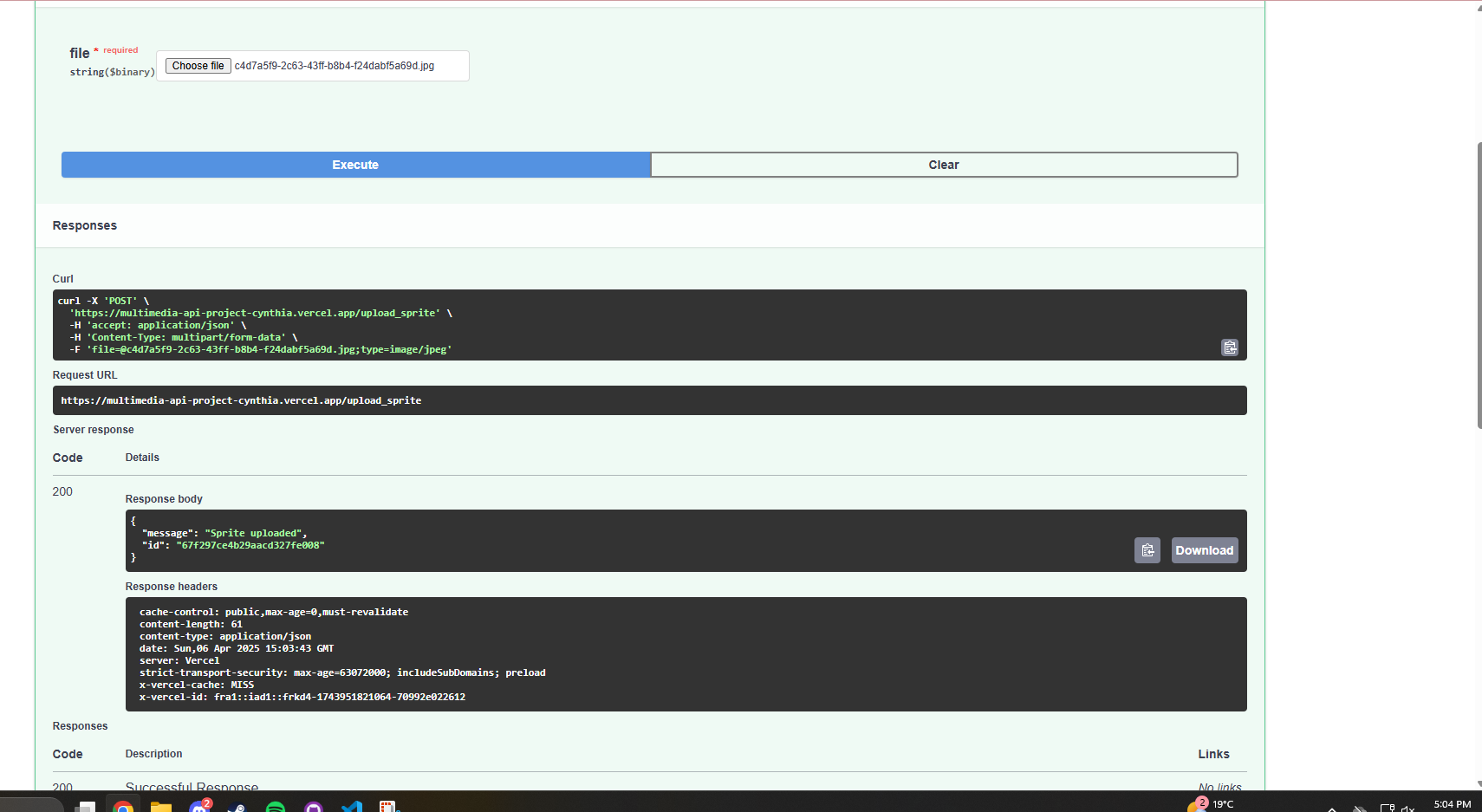


Figure shows successful sprites test

A screenshot of a computer

AI-generated content may be incorrect.

Figure shows successful audios test

A screenshot of a computer

AI-generated content may be incorrect.

Figure shows successful scores test

# Task 4 – Configuring Database Security

## 4a.

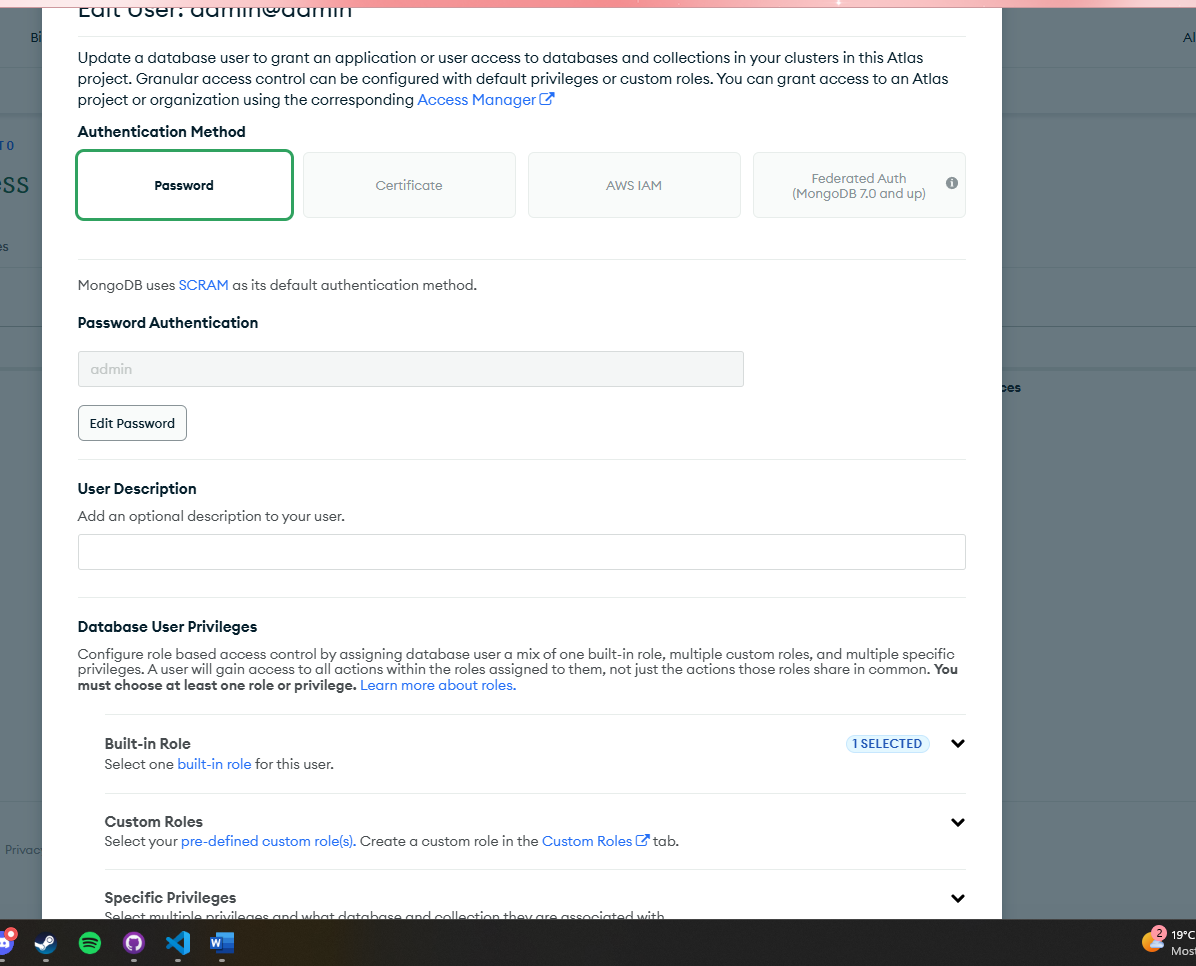


Figure shows MongoDB user credentials setup (admin@admin)

## 4b.

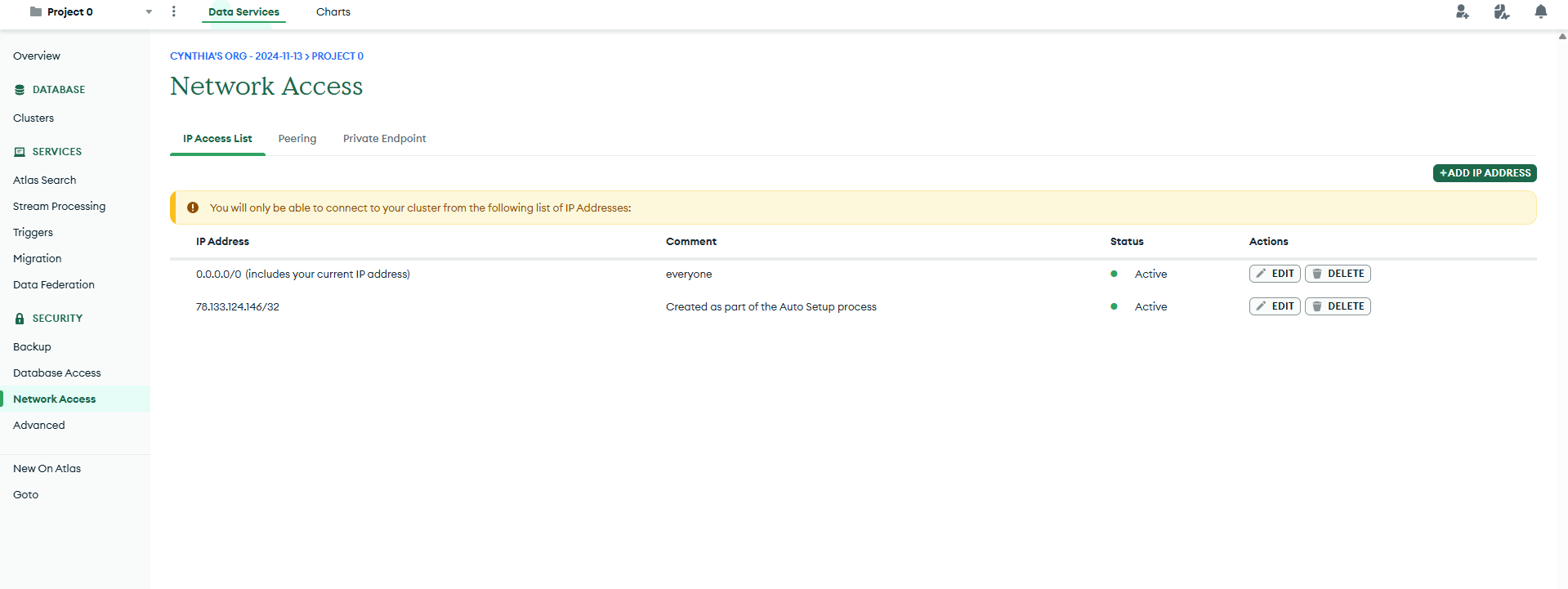


Figure shows IP Whitelist configuration in MongoDB Atlas

## 4c.

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Figure shows how I added custom input validation

A computer screen shot of code

AI-generated content may be incorrect.

Figure shows that before inserting the player’s name and score into MongoDB, I validate that the player\_name is safe

A black screen with white text

AI-generated content may be incorrect.

Figure shows that I ensured that the correct data types are being sent