CSE434 - Aspect- and Service-Oriented Software Systems

Lab 3

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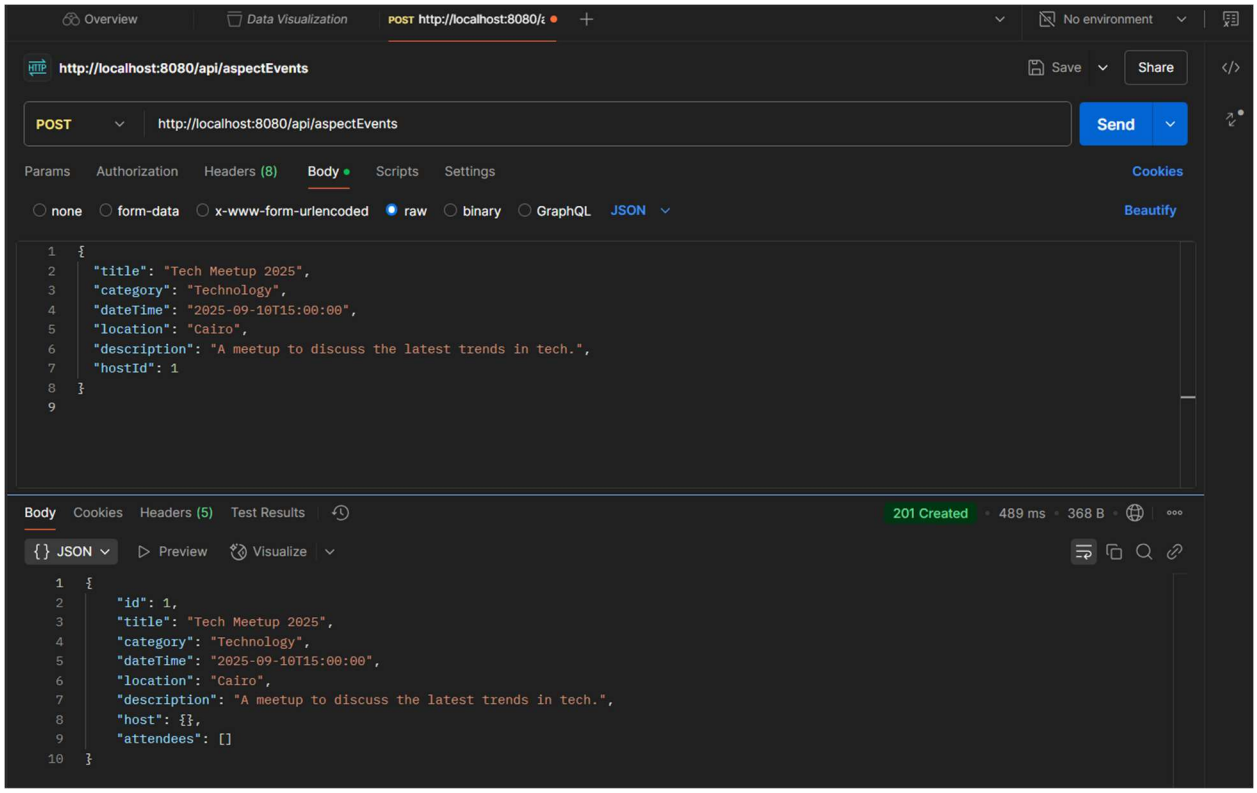
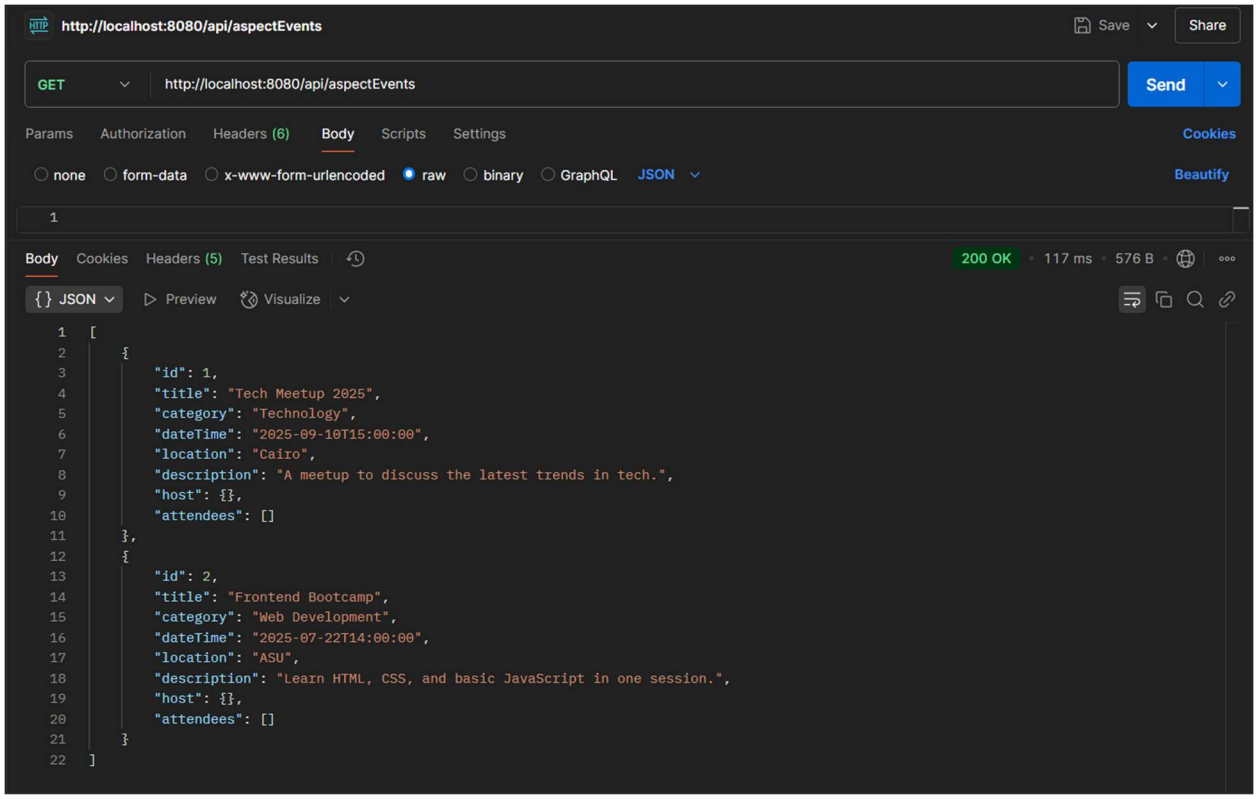
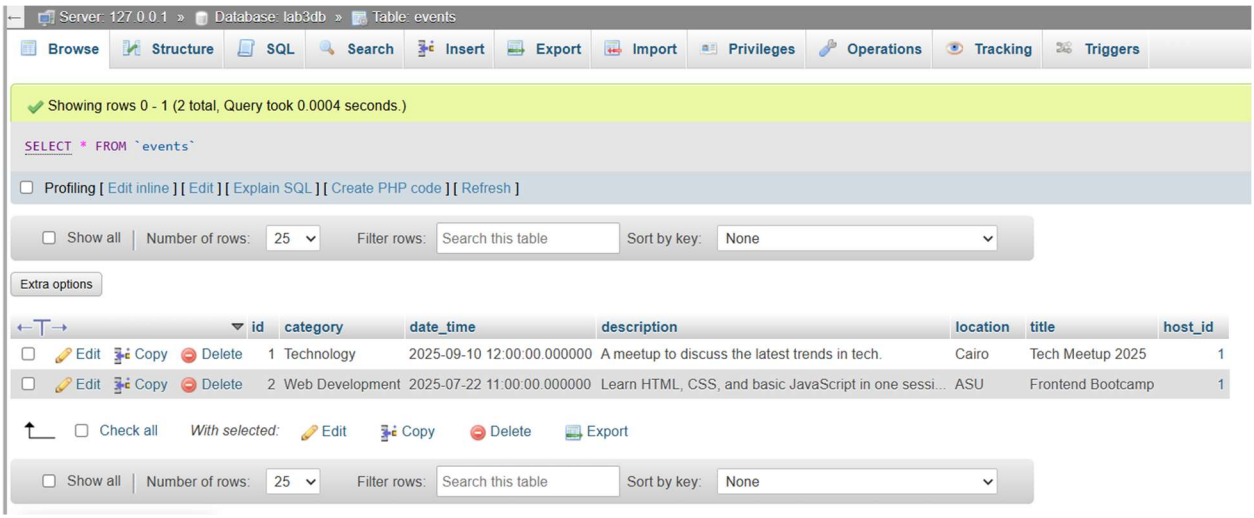
1. Postman Screenshots:

- **Create event**

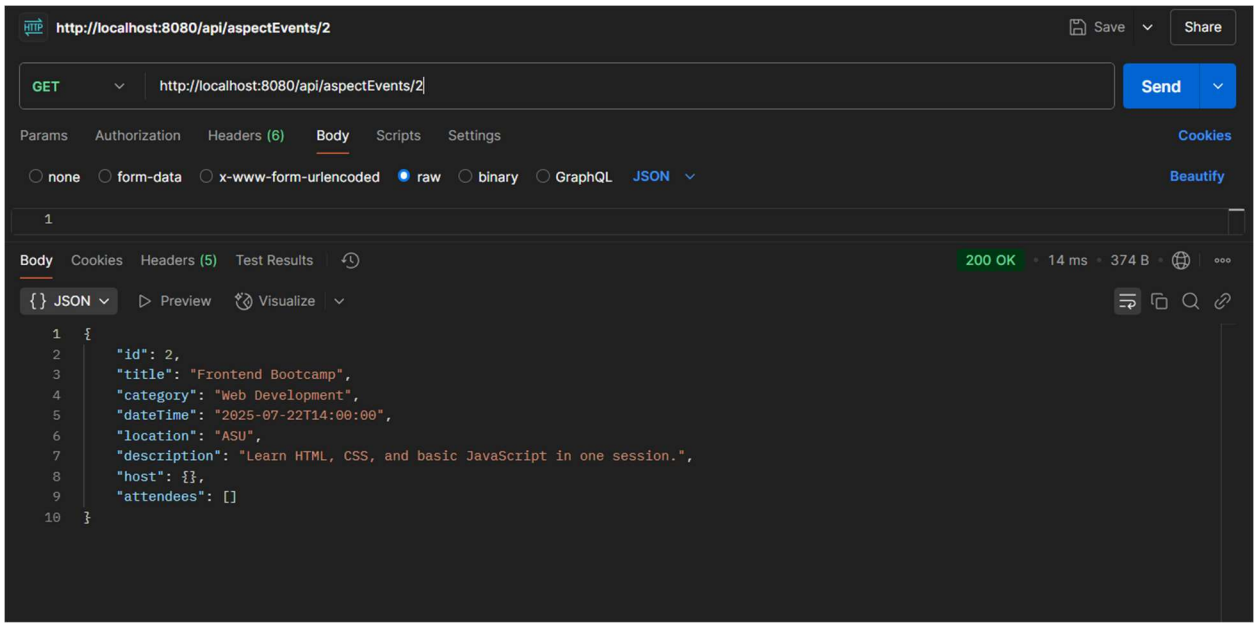


- **Retrieve all Events**

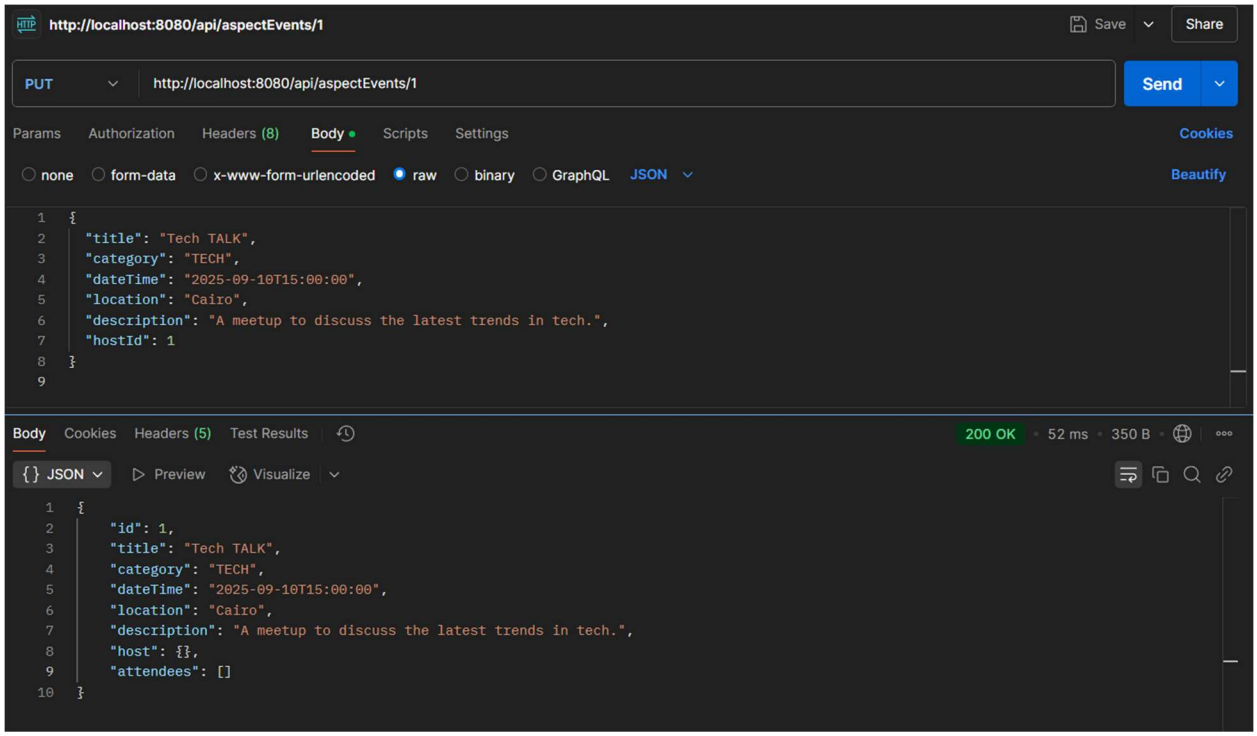


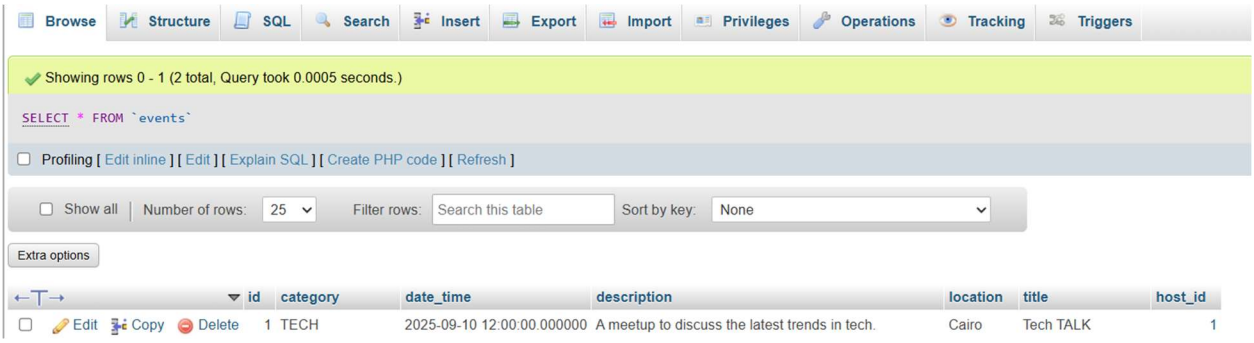


- **Get an event by ID**



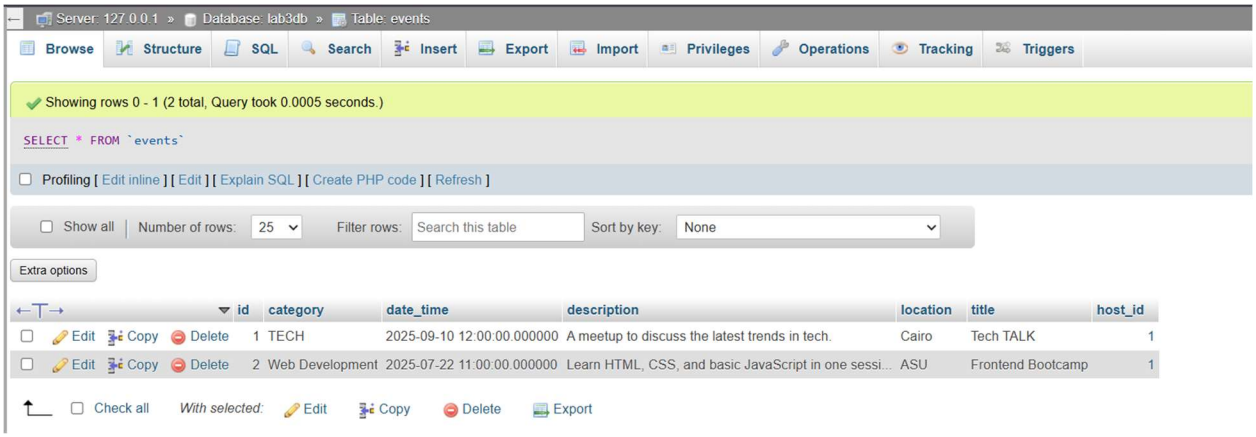
- **Update event**

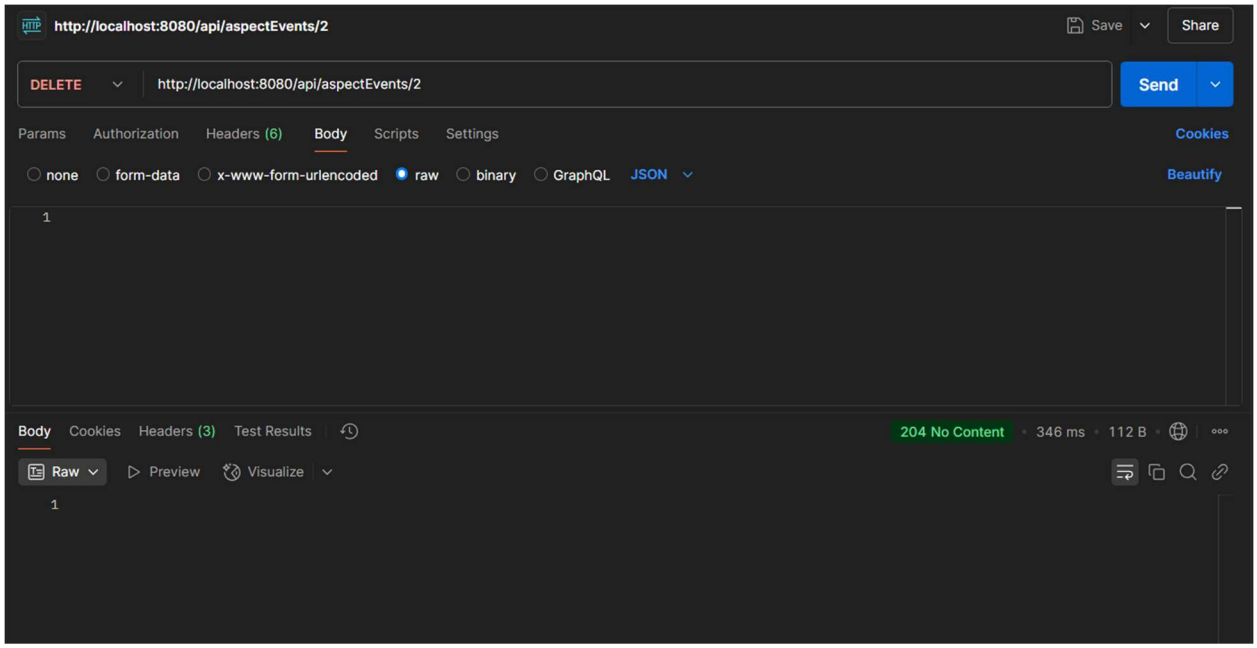




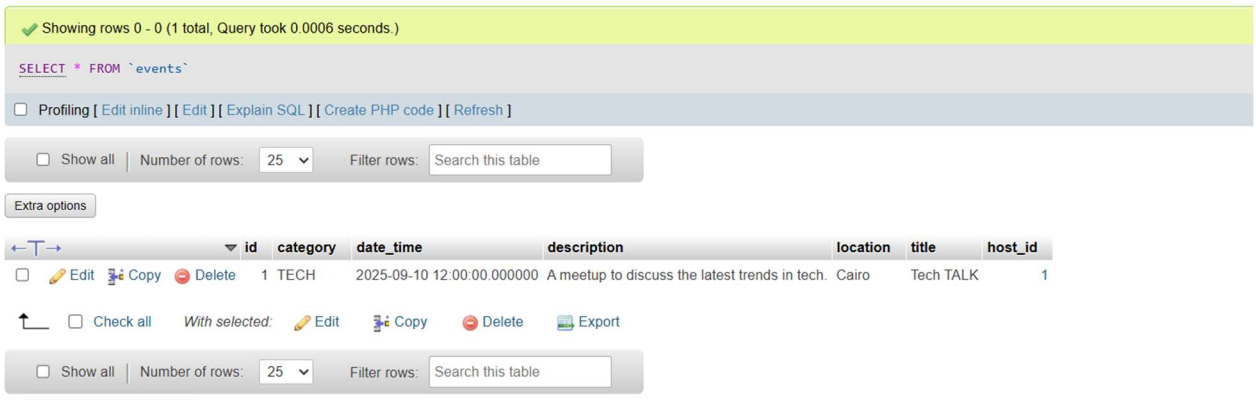
- **Delete event**

Before:

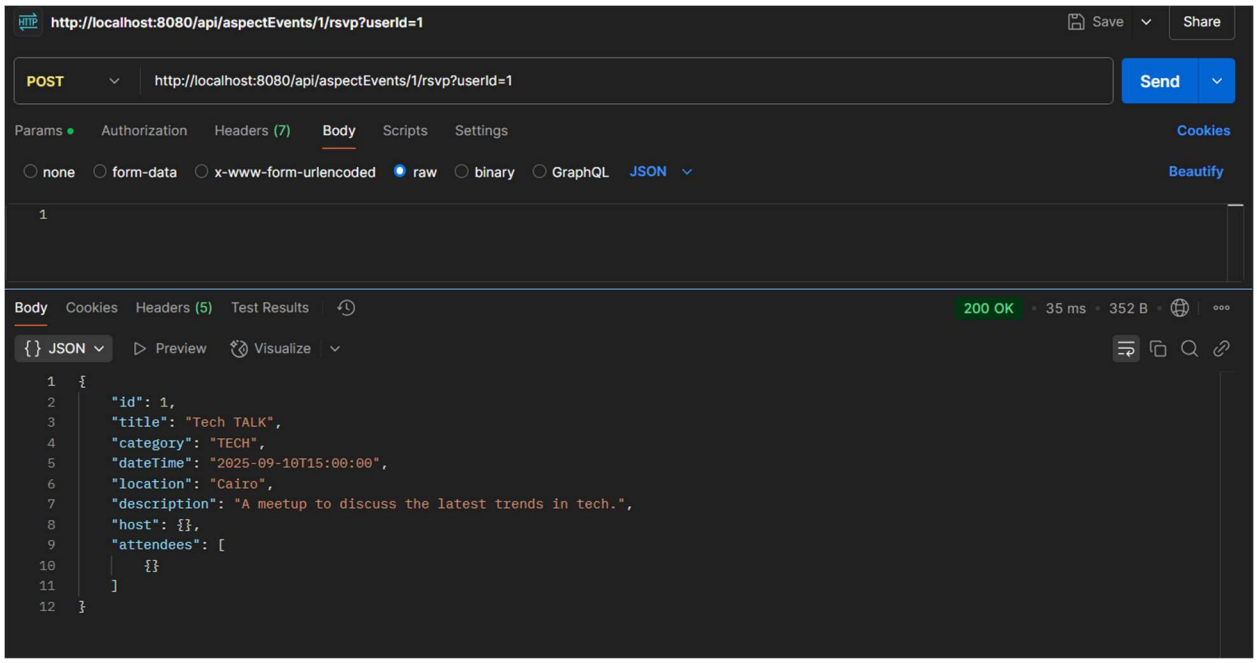


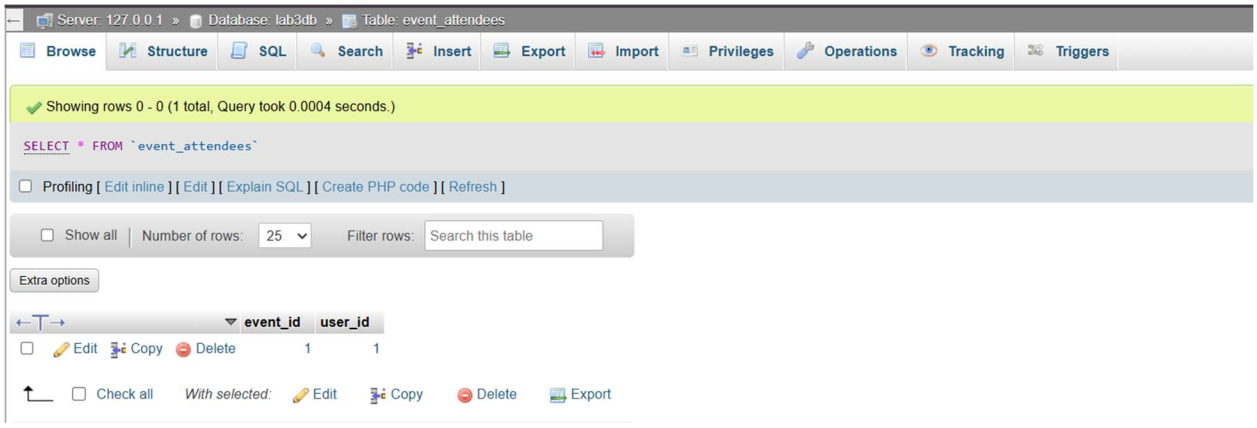

http://localhost:8080/api/aspectEvents/2
Save
Share
DELETE
http://localhost:8080/api/aspectEvents/2
Send
Params
Authorization
Headers (6)
Body
Scripts
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
1
Body
Cookies
Headers (3)
Test Results
204 No Content
346 ms
112 B
Raw
Preview
Visualize
1

After:

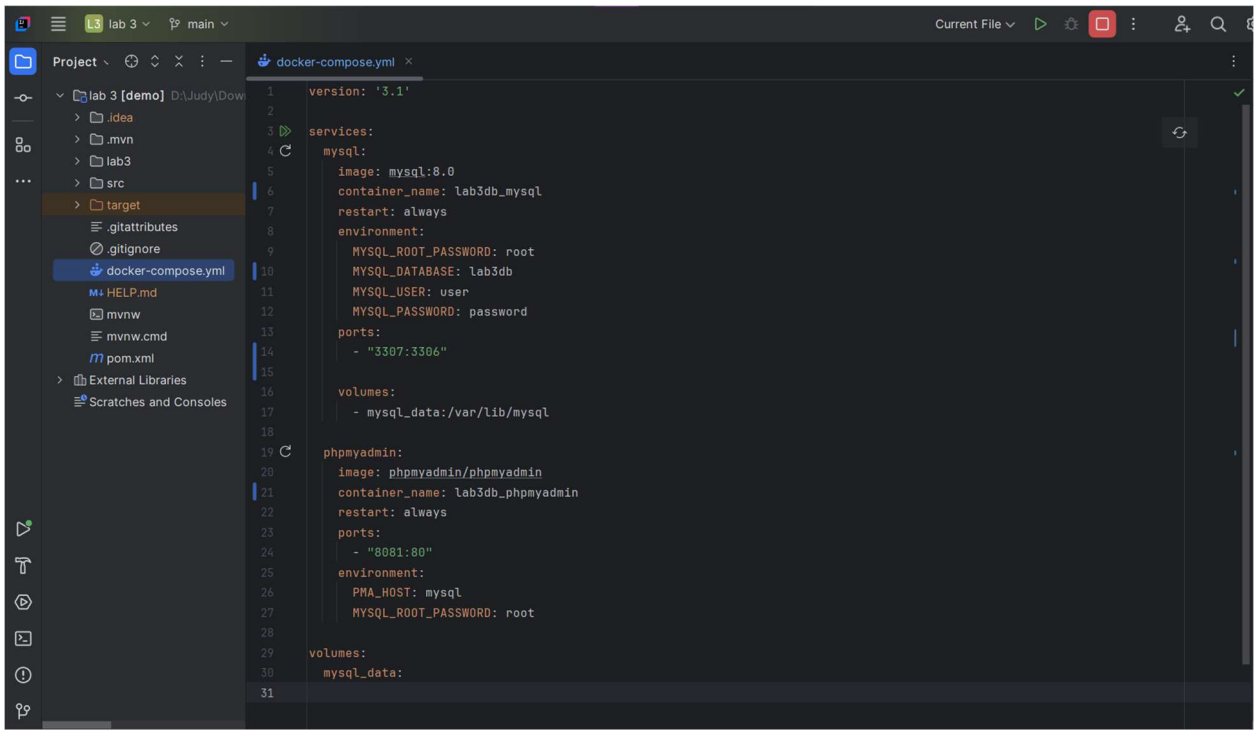

Showing rows 0 - 0 (1 total, Query took 0.0006 seconds.)
SELECT * FROM `events`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows:
25
Filter rows:
Search this table
Extra options
id
category
date_time
description
location
title
host_id
Edit
Copy
Delete
1
TECH
2025-09-10 12:00:00.000000
A meetup to discuss the latest trends in tech.
Cairo
Tech TALK
1
Check all
With selected:
Edit
Copy
Delete
Export
Show all
Number of rows:
25
Filter rows:
Search this table

- **RSVP to Events** (user id 1 will respond to attend event id 1)





2. Use docker-compose.yml to connect to mysql



3. relations between the two different entities in my database.

Relation 1 — Event hosted by a User (Many-to-One)

```
@ManyToOne  2 usages
@JoinColumn(name = "host_id")
private User host;
```

This means:

- Each event has one host (a user).
- Each user (host) can host multiple events.
- The column in the events table is host_id.

Relation 2 — Event has many attendees (Many-to-Many):

```
@ManyToMany  2 usages
@JoinTable(
        name = "event_attendees",
        joinColumns = @JoinColumn(name = "event_id"),
        inverseJoinColumns = @JoinColumn(name = "user_id")
)
private Set<User> attendees = new HashSet<>();
```

This means:

- Each event can have many users as attendees.
- Each user can attend many events.
- A join table event_attendees connects the two with event_id and user_id.

4. GITHUB REPO LINK

https://github.com/JudyKhaled/CSE-Aspect-Submissions.git