

Java Spring Boot Application Specification: Event Management System

Objective: Develop a Java Spring Boot application to manage events, venues, and organizers. The application should support CRUD operations for these entities and include additional functionality as specified. Configure the application to connect to a MySQL database using Spring Data JPA.

Entities:

Event

Fields: `id, eventName, eventDate, description`

Relationships:

An Event is organized by one Organizer.

An Event takes place at one Venue.

Venue

Fields: `id, name, location, capacity`

Relationships:

One Venue can host one Event.

Organizer

Fields: `id, name, contactInfo`

Relationships:

An Organizer can organize multiple Events.

API List:

Event:

- Create a New Event
- Get All Events
- Get Event by ID
- Update Event
- Delete Event
- Get Event by Venue
- Get Events by Organizer

Venue:

- Create a New Venue
- Get Venue by ID
- Update Venue
- Delete Venue

Organizer:

- Create a New Organizer
- Get Organizer by ID
- Update Organizer
- Delete Organizer