Event Management System

Description: Develop a system to manage event planning and execution, including the creation, modification, retrieval, and deletion of event details, participants, and schedules.

Event Details Management:
- Models Involved: Event, Venue, Organizer
- Requirements:
    - Create an Event model with fields such as Event ID (Auto Increment), name, description, date, venue (linked to Venue ID), and organizer (linked to Organizer ID).
    - Implement CRUD operations for Event details, ensuring integrity and consistency between Event, Venue, and Organizer data.
    - Provide features for organizers to update event information except for changing the venue directly.

Participant Management:
- Models Involved: Participant, Event
- Requirements:
    - Design a Participant model with fields like Participant ID, name, email, and events attended.
    - Enable registration and deregistration of participants for events, including CRUD operations on participant records.
    - Support listing all participants for a specific event and their registration status.

Venue Management:
- Models Involved: Venue
- Requirements:
    - Develop a Venue model with fields such as Venue ID, name, location, capacity, and availability.
    - Allow CRUD operations on venues to manage where events can be held.
    - Implement a feature to check venue availability and schedule events accordingly.

Organizer Profile Management:
- Models Involved: Organizer, Event
- Requirements:
    - Construct an Organizer model with fields such as Organizer ID, name, contact information, and associated events.
    - Implement functionalities for organizers to manage their profiles and the events they are organizing.

Project Details:

- Implement RESTful API architecture using Spring Boot.
- Integrate MySQL Database.
- Ensure the right cardinality rules are maintained between the models.
- Use Hibernate ORM for database interaction to facilitate CRUD operations and ensure data integrity.
- Consider adding logging for each CRUD operation to aid in debugging and tracking system usage.