

Event Management System – ER Diagram

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This system manages **events, venues, sessions, attendees, tickets, sponsors, and feedback.**

One event → many sessions, attendees, sponsors

One attendee → many events & sessions

Event

- Central entity of the system
- Stores event details: name, type, dates, budget, revenue
- Connected to sessions, venues, attendees, sponsors, tickets, and feedback

Venue

- Physical place where events are hosted
- Stores location and capacity
- A venue can host many events over time

Session

- Smaller parts of an event (talks, workshops)
- Each session belongs to **one event**
- Has its own start and end time

Attendee

- Person attending events
- Stores ticket type and payment status
- Can attend multiple events and sessions

Sponsor

- Organizations supporting events
- Classified by sponsorship level (Gold, Silver, etc.)

Ticket

- Proof of purchase
- Links attendee and event
- Tracks price, seat number, sales channel, and discounts

Feedback

- Reviews and ratings given by attendees
- Linked to both attendee and event
- Used to evaluate event quality

Event_Venue

- Connects events and venues
- Handles venue booking
- Prevents scheduling conflicts

Event_Attendee

- Tracks which attendee attended which event
- Resolves many-to-many relationship

Session_Attendee

- Tracks attendee participation in sessions

Event_Sponsor

- Links sponsors and events
- Stores sponsorship amount and agreement details

ER Diagram:

