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Title: Event Management System (EMS)

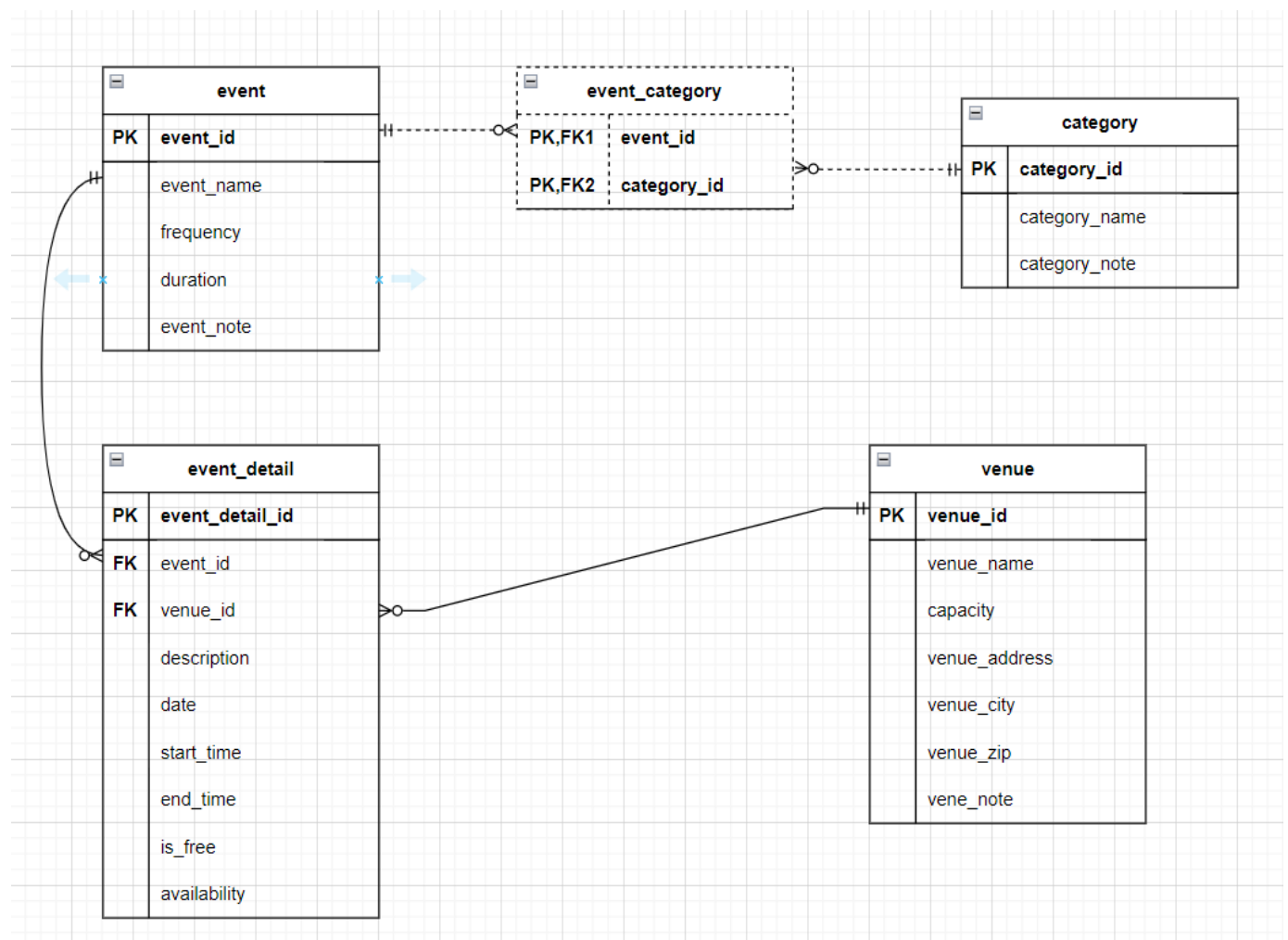
Executive Summary:

Event Management System is used to manage events information in Las Vegas. The event includes different kinds of shows, conventions, and sports events like boxing, Las Vegas hockey and football teams in different hotels, stadiums, concert holes, etc. This Event Management System register and gives Las Vegas area event detail information including the category and venue of the event to the end users/applications.

Initial Features:

Database Design

Entities: Event, Event Detail, Category, and Venue



Endpoints for an Event Management System API:

- *Create a Category (POST in Category)*
- *Create an Event with its Category (POST in Event).*
- *Create a Venue (POST in Venue)*
- *Create Event Detail by Event and Venue (POST in EventDetail by event and venue).*
- *Read all Venues (GET on Venue)*
- *Read all categories (GET on Venue)*
- *Read all event details about a specific date (GET on EventDetails by date)*
- *Read all event details about a specific event (GET on EventDetails by event)*
- *Read all event details by venue (GET on EventDetails by venue)*
- *Modify when event passed (PUT change status of EventDetail to unavailable)*
- *Remove a single event detail (Delete on EventDetail by event detail Id)*

Event Management System enhancement modules:

- The rest of CRUD operations on every entity.
- Adding user management
- Adding customer management
- Handling tickets based on seat and availability
- Processing payment by using payment APIs