

## **Project Title:** Event Management System

### **Project Team:**

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### **Project Overview:**

- **Problem Statement:**

- In today's fast-paced world, managing events and ensuring smooth registration processes can be challenging for organizers.
- Attendees often face difficulties in discovering events that match their interests, registering efficiently, and staying informed about event details.
- There is a need for a comprehensive system that bridges the gap between event organizers and attendees, facilitating seamless event management and registration.

- **Project Goal:**

- The main objective of the project is to create a user-friendly web application that simplifies the process of organizing events, registering attendees, and managing event information.
- The system aims to enhance the event experience for both organizers and participants by providing a centralized platform for event management and registration.

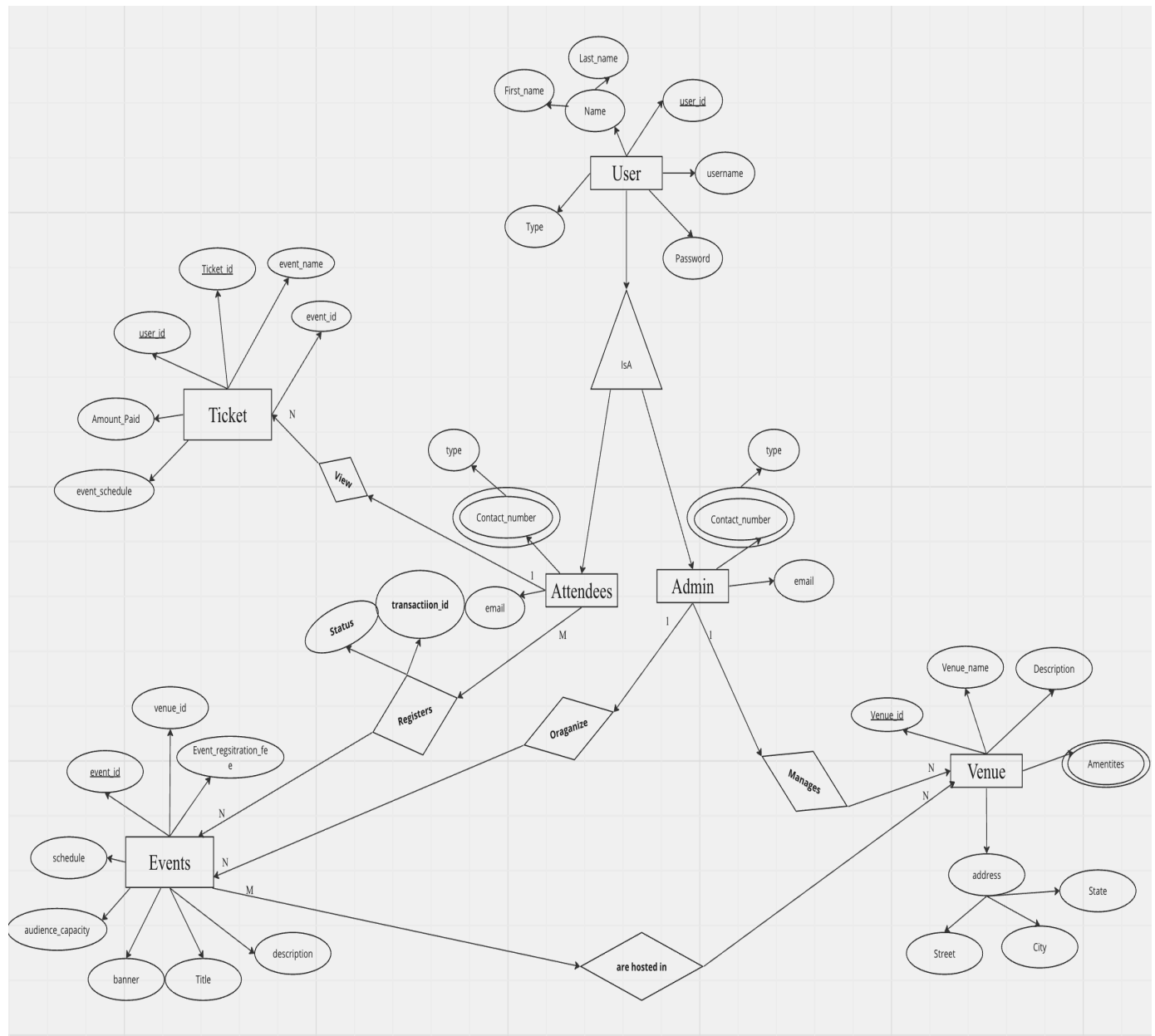
- **Proposed Solution:**

- Our project will develop a robust web application that enables users to easily discover and register for events at various venues.
- It will offer event organizers the tools to manage event details, registrations, and communications effectively. By integrating advanced search, secure payment gateways the system will address the current challenges in event management and enhance user satisfaction.

- **Key Features:** [List 3-5 essential features of your database system]
  - User Authentication and Registration
  - Event Discovery and Search
  - Event Registration and Payment
  - Organizer Dashboard and Insights
  - Organizer tools: Managing event details (add, modify, delete), Managing venue details, managing attendee's registration and payments.

## Database Design:

- **Data Model:**



- **Key Entities:**

- 1. Events:**

- Event\_id (Primary Key)
- Venue\_id (Foreign Key references Venue)
- Event\_registration\_fee
- Schedule
- Event\_Description
- Audience capacity
- Banner
- Event\_title

- 2. Venue:**

- Venue\_id (primary key)
- Venue\_name
- Venue\_description
- Address(street, city, state)
- Amenities

- 3. Attendees:**

- Name (First\_name, Last\_name)
- User\_id( Primary key)
- Username
- Password
- Contact number
- Email

- 4. Admin**

- Admin\_id (Primary\_key)
- Name (First\_name, Last\_name)
- Username
- Password
- Contact number
- Email

- 5. Ticket**

- Ticket\_id(Primary\_key)
- Event\_id (foreign key reference event)
- User\_id(foreign key references attendees)
- Event\_schedule
- Event\_name

- **Relationships:**

- Admin manages Venue details.
- Admin organizes Events.
- Events are hosted in Venues.
- Attendees registers to events.
- Attendees can view their ticket.

- **Technologies:**

- MySql
- Php

## **Project Timeline:**

- **Phase 1:** Database design and data modeling → Duration: Week 1 (05-25-2024)
- **Phase 2:** Implementation and data loading→ Duration: Week 1 (05-28-2024)
- **Phase 3:** Testing and validation → Duration: Week 2 (05-31-2024)
- **Phase 4:** Documentation and presentation → Duration: Week 2 (06-04-2024)

## **Deliverables:**

- **Functional Database System:**

1. **User Management:**

- **User Registration and Authentication:**

- Secure user sign-up and log-in functionality.
- Support for password recovery and reset.

- **Profile Management:**

- Store user personal details such as name, email, and contact information.
- Allow users to update their profile information.

2. **Event Management:**

- **Event Creation and Editing:**

- Allow admin to create new events with details such as Event name, description, schedule, and venue.
- And it allows admin to update event details as needed

- **Event Listings:**

- Display a list of upcoming events with essential information.

- Support for filtering and searching events based on various criteria (e.g., date, location, category).

### 3. Venue Management:

- Venue Information:
  - Admin can store comprehensive details about venues, including location and amenities.
- Venue Search and Filter:
  - Enable users to search for events based on venue attributes such as location and name etc.
- Venue-Event Association:
  - Allow admin to link events to their respective venues, ensuring accurate display of venue-specific details.

### 4. Registration and Ticketing:

- User Event Registration:
  - Allow users to register for events and select event and quantities
- Payment Processing:
  - Store transaction details and payment status.
- Ticket Generation:
  - Allow users to view their ticket for the registered event.
- Registration Management:
  - Admin can track registrations and manage attendee lists for each event.

### 5. Security and Data Integrity:

- Data Validation:
  - Implement data validation rules to ensure the accuracy and consistency of information.
- Access Control:
  - Define roles and permissions to control access to different parts of the system

## • **Presentation:**

- The presentation summarizes the entire project, highlighting key features and functionalities. The presentation would include:

- Project Overview
  - Problem Statement and objective of the project
- Design
  - ER-diagram would include entities, relationship, cardinality etc.
- Implementation
  - Source codes of the project, and description of the major functionalities of the project.
  - Demonstration of the web application
- Testing and Validation
  - Summary of testing phases and results. Examples of test cases and their outcome
- Conclusion and Q&A session
  - Discussion of potential future work and improvements.

### **Additional Considerations (Optional):**

- **Challenges:**

- Handling Transactions failure.
- Concurrent Access.

- **Future Enhancements:**

- Using Concurrent control techniques such as timestamps
- To enhance the application that can handle high volume of users concurrently.