



## 10Pearls Shine Internship Program (Cohort 4)

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### Assignment #1

Create an online platform for event management that allows users to plan, organize, and manage events seamlessly. The system should cater to both event organizers and attendees, providing a user-friendly interface and robust features.

#### **Key Features:**

- User Registration and Authentication
- Book Catalog
- Search and Filter
- Shopping Cart
- User Reviews and Ratings
- Secure Checkout Process
- User Profiles
- Discounts and Promotions
- Order Tracking
- Admin Panel



## Requirement Analysis and Key Features Document

**Project Title:** Online Event Management System

### 1. Introduction:

The Online Event Management System is a web-based platform designed to facilitate the planning, organization, and execution of various types of events. The system caters to event organizers, attendees, and administrators, providing a seamless and user-friendly interface. This system streamlines the entire event lifecycle, from event creation and promotion to ticket booking and attendee management.

### Objectives:

- To provide an efficient event management solution for organizers.
- To allow attendees to discover and register for events effortlessly.
- To facilitate secure online payments and ticket bookings.
- To offer an intuitive admin panel for monitoring and analytics.
- To enhance user engagement through notifications and reviews.

### 2. Key Features:

#### 1. User Registration and Authentication

- Users (organizers and attendees) can create and manage accounts.
- Secure authentication using email verification and password recovery mechanisms.
- Social media login options for a seamless registration process.

#### 2. Event Creation and Management

- Organizers can create, edit, and delete events.
- Event details include title, description, date, time, location, and category.
- Option to set event visibility (public/private) and manage guest lists.
- Automated confirmation emails upon successful event creation.



### **3. Event Ticketing and Booking**

- Multiple ticketing options (free, paid, VIP, early bird, etc.).
- Online booking with instant confirmation.
- QR code generation for easy check-in and validation at the event venue.
- Seat selection functionality for events with assigned seating.

### **4. Search and Filter Events**

- Users can search events by name, category, date, and location.
- Advanced filter options (price range, popularity, availability, etc.).
- AI-powered event recommendations based on user preferences.

### **5. User Profiles**

- Organizers can manage their events, view attendee lists, and track bookings.
- Attendees can view their registered events, ticket history, and preferences.
- Profile customization options, including profile pictures and bios.

### **6. Event Notifications and Reminders**

- Email and push notifications for event updates, changes, and cancellations.
- Automatic reminders before the event starts.
- Personalized alerts for upcoming events based on user interests.

### **7. User Reviews and Ratings**

- Attendees can rate and review events they have attended.
- Organizers can respond to feedback and improve future events.
- Display of average ratings and reviews on event pages.

### **8. Secure Payment Processing**

- Multiple payment options, including credit/debit cards, PayPal, and UPI.
- Secure checkout with encryption to protect user data.
- Refund and cancellation policy integration for easy dispute resolution.



## 9. Discounts and Promotions

- Organizers can create discount codes and promotional offers.
- Early bird discounts and group booking discounts.
- Users can apply discount codes at checkout.

## 10. Order Tracking and Management

- Users can track their event bookings, payment history, and refunds.
- Organizers can monitor ticket sales and generate revenue reports.
- Integration with event check-in systems for seamless entry management.

## 11. Admin Panel

- Comprehensive dashboard for managing users, events, and transactions.
- Ability to monitor event quality and remove inappropriate listings.
- Generation of reports and analytics for better decision-making.

## 3. Key Feature Scenarios:

### Scenario 1: User Registration and Authentication

<b>Actor</b>	User (Organizer/Attendee)
<b>Precondition</b>	The user has not registered before.

#### Steps:

1. User clicks on "Sign Up."
2. Fills in required details (name, email, password, etc.).
3. Chooses an account type (Organizer or Attendee).
4. Verifies email via a confirmation link.
5. Logs in successfully.
6. Can now access relevant features.



## Scenario 2: Event Creation

<b>Actor</b>	Organizer
<b>Precondition</b>	The organizer is logged in.

### Steps:

1. Clicks on "Create Event."
2. Fills in event details (title, description, date, location, ticket price).
3. Uploads images and videos to enhance event visibility.
4. Sets event visibility and target audience.
5. Clicks "Publish Event."
6. Event is now listed on the platform.

## Scenario 3: Ticket Booking

<b>Actor</b>	Attendee
<b>Precondition</b>	The attendee is logged in.

### Steps:

1. Searches for an event using filters.
2. Selects an event and ticket type.
3. Clicks "Book Now."
4. Selects the number of tickets.
5. Completes payment through a secure gateway.
6. Receives booking confirmation with a QR code.



#### Scenario 4: Admin Managing Events

<b>Actor</b>	Admin
<b>Precondition</b>	The admin is logged in.

##### Steps:

1. Accesses the admin dashboard.
2. Views a list of all events.
3. Identifies and removes inappropriate events.
4. Manages user accounts and resolves disputes.
5. Generates reports on user activity and sales trends.

#### Scenario 5: Attendee Cancelling a Ticket

<b>Actor</b>	Attendee
<b>Precondition</b>	The attendee is booked a ticket

##### Steps:

1. Logs into their profile.
2. Navigates to "My Bookings."
3. Selects the event for cancellation.
4. Clicks "Cancel Ticket."
5. Receives a refund confirmation based on the event's cancellation policy.



### Scenario 6: Organizer Sending Events Updates

<b>Actor</b>	Organizer
<b>Precondition</b>	An event has been created.

#### Steps:

1. Organizer logs into the system.
2. Selects the event from the dashboard.
3. Clicks "Send Update."
4. Enters update details (change in schedule, venue, etc.).
5. Sends notification to registered attendees via email and push notifications.

### Scenario 7: Attendee Providing Event Feedback

<b>Actor</b>	Attendee
<b>Precondition</b>	The attendee has attended an event.

#### Steps:

1. Logs into their profile.
2. Navigates to "Past Events."
3. Selects the event.
4. Rates the event using a star rating system.
5. Writes a review and submits it.



## 4. Conclusion:

The Online Event Management System is a comprehensive solution that simplifies the event planning process for organizers while offering a seamless experience for attendees. Through its robust features such as secure ticket booking, real-time notifications, and user engagement tools, the system ensures efficient event handling. Additionally, the admin panel provides valuable insights for better event management and user satisfaction. With these functionalities, the system aims to create a thriving event ecosystem that benefits both organizers and attendees.