

Project Title

Event Management & Subscription-based Ticketing Platform named **VibeNest.**

Project Overview

This web application is an **event hosting and ticketing platform** with role-based access. The system connects **Admins, Clients (Event Organizers), and Users (Participants)**.

- **Clients** purchase subscriptions (per event, monthly, or yearly) to host events.
- **Users** can explore, filter, and book tickets for events.
- **Admins** oversee event authenticity and manage fund transfers/refunds.
- **Payments and refunds** are handled securely, with rules ensuring fairness for both Clients and Users.

Roles & Responsibilities

1. Admin (Super Admin + City Admins)

- Approve/reject event success after it has taken place.
Transfer event earnings to Client after successful completion.
- Refund users if the event is cancelled or marked as fraudulent.
- Manage subscriptions for Clients.
- Handle user and client feedback.

2. Client (Event Organizer)

- Purchase subscription (one event / monthly / yearly).
- Create and manage events (add details: name, type, price, city, date, etc.).
- Cancel event (refund goes to users, but subscription amount is not refunded).
- View event history, participant details, and invoices.
- Provide feedback to Admin/Company.
- Manage and update profile.

3. User (Event Participant)

- Explore and filter events (by city, type, date, price range).
- Book tickets for events.
- Get an invoice for ticket booking.
- Receive refunds if the event is cancelled or fraudulent.
- Bookmark events for later.
- View history of booked events.
- Provide feedback to the Event Organizer.
- Manage and update profile.

Payment & Refund Policy

- All payments first go to the Company (**Admin account**).
- If the event is **successfully completed** → Amount transferred to Client.
- If an event is **cancelled by Client** → Users get a refund, Client doesn't get a subscription refund.
- If an event is **cancelled by Admin (fraud or other reason)** → Users get a refund, Client gets nothing.
- If the event is **cancelled by the Company due to other reasons** → Refund to users only.

Notifications

- Email notifications for:
 - Successful registration
 - Event cancellation
 - Refund issued
 - Event success confirmation

Features

Core Features

- ✓ Role-based authentication (Admin, Client, User)
- ✓ Subscription system for Clients
- ✓ Event creation, cancellation, and approval
- ✓ Secure online ticket booking & payment

- ✓ Refund system (automatic/manual approval)
- ✓ Invoice generation for users & clients
- ✓ Event filtering (city, type, price range, date)
- ✓ Event auto-expiry after scheduled time
- ✓ Bookmark events for later
- ✓ Feedback system (User → Client, Client → Admin)
- ✓ Profile management for all roles

Extra/Advanced Features (Optional if you have time)

- **Wallet system:** Users and Clients can keep balance for faster refunds/purchases.
- **Analytics dashboard:** Show Client stats (no. of events, revenue, feedback ratings).
- **Fraud detection indicators** (flag suspicious Clients).
- **Mobile responsiveness** or PWA version for quick access.
- **QR-code tickets** for event check-in.

Tech Stack (Suggested)

- **Frontend:** React.js (or Angular/Vue)
- **Backend:** Node.js + Express (or Django/Flask if you prefer Python)
- **Database:** MongoDB / MySQL / PostgreSQL
- **Payments:** Stripe / Razorpay API
- **Authentication:** JWT / OAuth
- **Email Notifications:** Nodemailer / SendGrid / Mailgun
- **Deployment:** AWS / Render / Vercel