**Event Booking System**

**1. User Flow**

1. **Registration / Login**
   * **New User:**
     + User visits the website and clicks on **Sign Up**.
     + User provides basic details (name, email, password).
     + After successful registration, the user can log in.
   * **Existing User:**
     + User clicks on **Login** and enters their credentials (email, password).
     + After successful login, the user receives a JWT token for authentication.
     + The token is stored in the browser (local storage or cookies).
2. **View Events**
   * Once logged in, the user is redirected to the **Event List** page.
   * This page displays all available events (name, date, description, and available seats).
   * The user can **filter events** based on the date or location.
3. **Book Tickets**
   * The user selects an event they are interested in.
   * A page showing the **event details** (price, available seats, time) is displayed.
   * The user can choose how many tickets to book.
   * If there are available seats, the user clicks on the **Book Now** button to proceed.
   * The user confirms the booking and **completes the payment** (if required).
4. **Booking Confirmation**
   * The system checks if the tickets are still available.
   * If available, the booking is confirmed, and a booking confirmation message is shown along with **booking details** (event name, date, number of tickets).
   * The booking is stored in the database, linked to the user's profile.
   * The user can also view their **booked events** in the dashboard.
5. **Cancel Booking**
   * The user can navigate to their **Dashboard** and view their current bookings.
   * For any booking, there will be an option to **cancel**.
   * Upon cancellation, the event tickets are refunded (if applicable) and the booking is removed from the user's profile.

**2. Admin Flow**

1. **Admin Login**
   * Admins log in using the same **JWT** authentication process.
   * After successful login, the admin is directed to the **Admin Dashboard**.
2. **Manage Events**
   * The admin can **create new events**, **update event details**, or **delete events**.
   * When creating a new event, the admin must provide event details (name, date, description, price, available seats).
   * Admin can also view **all bookings** for any event (who has booked, how many tickets, and user details).
3. **Manage Bookings**
   * Admin can view all user bookings across events.
   * Admin can also cancel bookings if necessary, and update availability if required (e.g., if an event gets sold out).
4. **Event Availability**
   * Admin can **set seat availability** for each event.
   * If events are fully booked, the system will show them as **Sold Out**.