Event Planning App – System Summary

1. API & Backend

- **Tech Stack:** Node.js, Next.js API routes, MongoDB (Mongoose)
- **Authentication:** JWT, role-based access (admin/user)
- **Endpoints:**

    - /api/auth/login – User/admin login
    - /api/events – CRUD for events
    - /api/users/count – (Admin) User count

- **Validation:** Zod for data validation
- **Business Logic:** Strict event overlap prevention

2. Frontend

- **Tech Stack:** Next.js (React), Tailwind CSS
- **Features:**

    - Login/Register
    - Dashboard with calendar and event cards
    - Role-based UI (admin/user)
    - Event details, admin management
    - Responsive design

3. How It Works

- User logs in → frontend sends credentials to API → backend returns JWT
- Frontend uses token to fetch/manage data via API
- All actions (create/edit/delete events, admin stats) go through the API
- UI updates instantly as data changes

4. Presentation Tips

- Show login, dashboard, event creation/editing, admin features
- Use browser dev tools to show API calls
- Mention error handling and validation

Add screenshots for a more visual PDF if desired.