

Event Management System

Objective

The goal of this project is to develop a simple, web-based event management system that allows users to create, manage, and view events, as well as register attendees and generate event reports.

Task Requirements

1. Core Functionalities

- User Authentication: Implement user login and registration with secure password hashing.
- Event Management: Authenticated users can create, update, view, and delete events with details like name, desc.
- Attendee Registration: Provide a form for event registration and prevent registration beyond the maximum capacity.
- Event Dashboard: Display events in a paginated, sortable, and filterable format.
- Event Reports: Enable admins to download attendee lists for specific events in CSV format.

2. Technical Requirements

- Backend development using pure PHP (no frameworks).
- Use MySQL for the database.
- Ensure client-side and server-side validation.
- Use prepared statements to prevent SQL injection.
- Create a basic, responsive UI using frameworks like Bootstrap.
- Provide setup instructions for the project.

3. Hosting and Code Submission

- Host the project on any free or paid hosting service (e.g., Heroku, Vercel, or a shared hosting provider).
- Share the live project link and login credentials for testing.
- Upload the full project to GitHub or a similar platform.- Include a README file with project overview, features, installation instructions, and login credentials for testing.

4. Bonus Points (Optional)

- Implement search functionality across events and attendees.
- Use AJAX to enhance user experience during event registration.
- Add a JSON API endpoint to fetch event details programmatically.

Evaluation Criteria

- Code Quality: Well-structured, readable code adhering to best practices.
- Functionality: Proper implementation of features and handling of edge cases.
- Security: Secure practices, including password hashing, input validation, and prepared statements.
- Database Design: Efficient and relational structure for events and attendees.
- Documentation: Clear instructions for setup and usage.
- Hosting and Accessibility: Live demo link with login credentials and GitHub repository.