

Attention Notice:

Please select one of the tasks below and submit your completed solution within 24 hours

Task 1: Event Management System

Create an event management system where users can manage events (create, update, delete), subscribe to events, and search for events. Subscribed users will receive notifications about updates to their events, but only when they manually check for them via a "Check Updates" button.

Requirements:

Frontend (React)

1. Event Management: Users can create, edit, delete events, and subscribe/unsubscribe to events. Upload banner images for each event.
2. Search Functionality: Implement a search bar for users to find events by title.
3. Notifications: Users will manually check for updates on their subscribed events by clicking a "Check Updates" button.
4. You can use any css framework.

Backend (Node.js + Express)

1. Custom API Design: Users will design their own API structure for managing events, subscriptions, notifications, and event search.
2. Search API: Create a search functionality.
3. Authentication & Security: Use JWT or another authentication method for secured access. Role-based access control is required for event modifications.

Database (MongoDB)

1. Design a schema to handle users, events, subscriptions, and notifications.

Submission Instructions:

- **Repository:** Share your project on GitHub.
- **README:** Include detailed installation instructions, including any prerequisites, setup steps, and how to run the project locally. Provide clear instructions for both frontend and backend setups.

Task 2: Customer Mail Notify System

Create a customer mail notify system using Laravel framework where a customers (id, name, photo, email, phone, address, created_at, updated_at) table. Assume that the customer table has 20 lac data.

1. Make a CRUD for customer
2. When create a customer notify to admin with email
3. Everyday 8am Send "Good Morning" mail to customers whose post_code is 1216 and country is Bangladesh

Database (MYSQL):

In database customer table data like below -

101, John, image_path, john@gmail.com, 017..., {"country": "Bangladesh", "city": "Dhaka", "post_code": "1216"}, "2024-08-12 10:12:00", "2024-08-12 10:12:00"

Submission Instructions:

- **Repository:** Share your project on GitHub
- **README:** Include detailed installation instructions, including any prerequisites, setup steps, and how to run the project locally.