FEs

In a college environment, managing event registrations and RSVPs efficiently is a critical task for both event organizers and participants. Currently, there is no centralized system to handle the organization of events, track attendance, and ensure smooth communication between event organizers and attendees. To address this gap, we aim to develop a RESTful API that will streamline the process of event management, user registrations, and RSVP tracking.

The proposed API will allow users (such as students, faculty, and event organizers) to browse available events, register their attendance, and manage their profiles. The system will enable organizers to create, update, and delete events, while also providing detailed information about each event. Additionally, the API will offer RSVP management features, allowing users to RSVP or cancel their attendance and enabling organizers to track event attendance in real-time.

The API will include a notification system to notify users about event changes, cancellations, and reminders, ensuring participants stay informed and engaged. Furthermore, event analytics will help organizers assess event performance by providing data on RSVPs, engagement trends, and attendance metrics.

SEs/TEs

Develop an API that focuses on how students can access and manage educational content. You are to design a unified platform whose sole aim will be the aggregation of educational resources from various free sources, including but not limited to educational content platforms, open courseware, or even educational repositories. It should provide sophisticated resource management capabilities, allowing for creation, retrieval, updating, and deletion of educational materials along with detailed categorization by subject, difficulty level, and content type. The API will have a user management system, including authentication, which can enable features that allow users to customize experiences through bookmarking, tracking progress, and in-system rating and review mechanisms. You have the freedom to choose your data sources.