JS/XML Project (CHECKPOINT): APIs

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Project Title: Enhanced School Events Management System
Objective: Extend the existing school events management system by integrating Google Calendar API and NewsAPI to provide additional useful features for students and staff. This will enable users to sync events with their personal calendars and stay informed with relevant educational news.
List of APIs

Google Calendar API:

- URL: Google Calendar API(https://developers.google.com/calendar)
- Purpose: Allow users to sync school events with their personal Google Calendar.
- Features:
  - Export events from the website to Google Calendar.
  - Import events from Google Calendar to the website.
  - Set automated reminders for upcoming events.

NewsAPI:

- URL: NewsAPI(https://newsapi.org/)
- Purpose: Provide relevant educational news and updates related to the events.
- Features:
  - Display latest news articles related to education, technology, or subjects relevant to scheduled events.
  - Filter news based on keywords related to the event descriptions.

MVP (Minimum Viable Product)

Features for MVP:

1. Event Management:
   - Users can add, delete, and update school events with details such as date, description, and title.
2. Google Calendar Integration:
   - Users can export school events to their Google Calendar.
   - Users can import events from their Google Calendar to the website.
3. News Integration:
   - Display a section with the latest educational news articles related to the events on the website.

Pages

1. Home Page:
   - Overview of upcoming school events.
   - Section for latest educational news.
2. Event Management Page:
   - Form to add new events.
   - List of existing events with options to edit or delete.
3. Calendar Sync Page:
   - Options to export events to Google Calendar.