

Some of the API's that can be used for our project.

1. Google Calendar API

Purpose: Integrating scheduling and time management.

- **Features:**
 - Add, update, or delete events (e.g., homework deadlines, test dates).
 - Get reminders for upcoming events.
 - Sync events across devices.
- **Example:** Automatically block out time for assignments or set reminders for upcoming exams.

2. OpenAI GPT API (optional)

Purpose: Integrating AI-based learning assistance.

- **Features:**
 - Generate study tips based on the user's subjects or upcoming tests.
 - Provide explanations for difficult topics.
 - Offer personalized study plans or daily summaries.
- **Example:** Students could ask for help understanding a math problem or get a breakdown of how to manage their study schedule.

3. Todoist API

Purpose: Task management and organization.

- **Features:**
 - Create and manage tasks (e.g., homework, group projects).
 - Assign priority levels and due dates.
 - Sync across platforms.
- **Example:** Create a dynamic to-do list for assignments and projects, tracking their progress in real time.

4. Quizlet API

Purpose: Provide study tools and flashcards.

- **Features:**
 - Access flashcards and study sets for different subjects.
 - Create custom study sets for specific topics or exams.
 - Track progress and improvement over time.
- **Example:** Students can create or use existing flashcards for exam preparation, and the app can recommend sets based on their upcoming subjects.

5. Khan Academy API

Purpose: Provide free educational content and practice exercises.

- **Features:**
 - Access video lessons, quizzes, and exercises for various subjects.
 - Track students' progress through different subjects.
 - Offer personalized learning paths based on performance.
- **Example:** Allow students to watch relevant instructional videos or practice problems for upcoming tests directly within your app.

6. Microsoft Graph API (Education Insights)

Purpose: Gather and analyze data on students' performance and activity.

- **Features:**
 - Provide insights into study habits, assignment completion rates, and productivity levels.
 - Integrate with Microsoft Teams for education-related activities.
 - Suggest ways to improve study routines based on data.
- **Example:** Analyze how well students are managing their tasks and provide recommendations for optimizing their time.

7. Microsoft OneNote API

Purpose: Organize notes, ideas, and lesson plans.

- **Features:**
 - Create and manage notebooks and sections.
 - Share notes with classmates or teachers.
 - Sync notes across devices for seamless access.
- **Example:** Allow students to take detailed notes during class or while studying, and organize them by subject.