API Outline

API Design

Base URL

- `https://api.pomodoro-plus.com/`

Endpoints

1. User Management

- `/users/register` - POST: Register a new user.
- `/users/login` - POST: Authenticate a user and return a token.
- `/users/profile` - GET: Retrieve user profile information.
- `/users/profile/update` - PATCH: Update user profile information.
- `/users/delete` - DELETE: Remove a user account.

2. Pomodoro Sessions (with Timer)

- `/sessions/start` - POST: Start a new Pomodoro session.
- `/sessions/stop` - POST: Stop the current Pomodoro session.
- `/sessions/history` - GET: Retrieve a user's session history.

3. Music Playlists

- `/playlists/create` - POST: Create a new playlist.
- `/playlists/update` - PATCH: Update an existing playlist.
- `/playlists/delete` - DELETE: Remove a playlist.
- `/playlists` - GET: Retrieve user playlists.

4. Study Groups

- `/groups/create` - POST: Create a new study group.

- `/groups/update` - PATCH: Update study group details.
- `/groups/delete` - DELETE: Disband a study group.
- `/groups/join` - POST: Add a user to a study group.
- `/groups/leave` - POST: Remove a user from a study group.
- `/groups/members` - GET: List members of a study group.

5. Text Channels

- `/channels/create` - POST: Create a new text channel.
- `/channels/update` - PATCH: Update text channel details.
- `/channels/delete` - DELETE: Remove a text channel.
- `/channels` - GET: Retrieve text channels within a study group.

6. Messages

- `/messages/send` - POST: Send a message in a text channel.
- `/messages/update` - PATCH: Edit a sent message.
- `/messages/delete` - DELETE: Delete a message.
- `/messages` - GET: Retrieve messages from a text channel.

7. Goals

- `/goals/set` - POST: Set a new goal.
- `/goals/update` - PATCH: Update an existing goal.
- `/goals/delete` - DELETE: Remove a goal.
- `/goals` - GET: Retrieve user goals.

8. Blocked Websites

- `/block/websites/add` - POST: Block a new website.
- `/block/websites/update` - PATCH: Update block settings for a website.
- `/block/websites/remove` - DELETE: Unblock a website.
- `/block/websites` - GET: Retrieve the list of blocked websites for a user.

9. Achievements

- `/achievements/earn` - POST: Log a new achievement.

- `/achievements` - GET: Retrieve user achievements.