Feature: Loading screen while playlist is saving

OBJECTIVE

Add a loading state when the user saves a playlist to Spotify so the user knows something is happening, prevents double submits, and improves UX.

BACKGROUND

Saving a playlist can take a few seconds depending on network/API response. Without feedback, users may click multiple times or think the app is broken.

USER STORIES

- As a user, I want to see a "Saving…" indicator while my playlist is being saved so I know the app is working.

- As a user, I want the Save button disabled while saving so I don't accidentally submit twice.

- As a user, I want to see a success or error message after saving so I know what happened.

TECHNICAL DESIGN

UI / UX Changes

- When the user clicks **Save to Spotify**, the app should show a saving state.

- The **Save** button should:

    - Change text to **"Saving…"**

    - Be **disabled** while saving to prevent double submissions

- After saving finishes:

    - On success: show **"Playlist saved!"**

- On error: show **"Error saving playlist. Please try again."**

State (React)

Add two new pieces of state in the component that handles saving (usually App.js or the component with the Save button):

- isSaving (boolean) — controls loading UI and disables the button

- saveMessage (string) — shows success/error feedback to the user

Default values:

- isSaving = false

- saveMessage = ""

Save Flow (Logic)

1. User clicks **Save to Spotify**

2. If the playlist has no tracks, do not call the API and set saveMessage to "Add tracks first."

3. Set isSaving = true and clear any previous saveMessage

4. Call Spotify.savePlaylist(playlistName, trackUris) using await

5. If success:

   - set saveMessage = "Playlist saved!"

   - clear playlist tracks (and reset playlist name if the app already does that)

6. If error:

   - set saveMessage = "Error saving playlist. Please try again."

7. In all cases, set isSaving = false at the end (use finally)

Edge Cases

- **Empty playlist:** show message and prevent saving

- **Double click:** prevented by disabling the button during saving

- **API/network error:** show error message and re-enable the button

- **Token expired/unauthorized:** show error and require user to log in again

Pseudocode (optional)

- setIsSaving(true);
- setSaveMessage("");
-
- try {
-   await Spotify.savePlaylist(name, uris);
-   setSaveMessage("Playlist saved!");
-   // reset playlist if needed
- } catch (e) {
-   setSaveMessage("Error saving playlist. Please try again.");
- } finally {

  setIsSaving(false);

- }

CAVEATS

Alternative Solutions

1. **Disable the Save button without showing a message**

    - Drawback: Users may not clearly understand that the playlist is being saved.

2. **Display a full-page loading overlay**

    - Drawback: This may feel excessive for a simple action like saving a playlist and

could negatively affect user experience.

3. **Use a third-party toast notification library**

   ○ Drawback: Adds extra dependency and complexity for a small feature.

Potential Drawbacks of Proposed Solution

● Requires additional state management (isSaving, saveMessage), which slightly increases component complexity.

● If the loading state is not properly reset (for example, if finally is not used), the button could remain stuck in "Saving…" state.

● Success and error messages require basic styling to avoid cluttering the interface.