



# SparkBook

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## Introduction:

SparkBook is designed for creatives of all levels—from the hobby artist to the seasoned professional. Users can easily capture and organize anything that inspires them so that they can spend their time creating! Users interact with SparkBook during the creative process — for example, when brainstorming, capturing inspiration on the go, or organizing reference material for ongoing art projects. The app helps them seamlessly transition from idea capture to project organization.

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## Tools Used:

We built our high-fidelity prototype with:

- **React Native**
- **Expo + ExpoGo**
- **Supabase** (authentication + database)
- **Spotify API**
- **Expo Router** (stack navigation)

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## Operating Instructions:

1. Download the **ExpoGo** app
2. Scan the QR code
3. Create an account
  - a. (or use demo login: dev@sparkbook.test / password)
4. Explore!



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## Context:

SparkBook is intended for anyone who wants to record creative ideas or sources of inspiration, with a special focus on artists.

When something sparks your creativity, open SparkBook and use the **Quick Add** menu to capture it. You can:

- Take a photo
- Write a note
- Record a voice memo
- Add a song from Spotify
- Upload a photo or file
- Add the spark to an existing project or create a new one.

Within a project, you can:

- Drag sparks around
- Tap to delete or resize
- Long-press for more details
- Use the **sparkle button** for automatic organization (grid, group by type, smart spacing)

To share a project, tap the three dots on its card. You may rename, delete, or share it. You can also share individual sparks through their details page. The **Community tab** lets you browse others' public projects and sparks—and save shared sparks to your own work.

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## Limitations:

Our primary limitations are:

- **AI sorting is not yet implemented.**  
Although we plan to allow users to type in custom organization instructions, the current version includes only three preset layouts: Grid Layout, Group by Type, Smart Spacing
- **Occasional slow load times.**  
Because we use a fully functional backend, image and data loading may take a few extra seconds.
- **Some pre-populated data.**  
A few accounts and community items come with seeded content, though they are still stored in Supabase and behave like real user data.

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## Accessibility:

We aimed to incorporate accessibility wherever possible, but several limitations remain:

### Visual Accessibility

- Some buttons and fonts may still be small for users with limited vision.
- No **dark mode** yet, which may impact users sensitive to bright screens.  
*Future solution:* add a larger-text mode and an optional dark interface.

### Screen Reader Support

- Because sparks include many content types (images, notes, audio, songs, uploads), we are still developing comprehensive accessibility labels.
- Some interactive actions (e.g., drag to move, long-press for details) are not yet optimized for VoiceOver or TalkBack.

### **General Notes**

We designed the app in a way that will allow us to continually expand accessibility features as the product evolves.