Sparkable Project Documentation

An AI-powered brand identity generation platform. Users fill out a wizard-style form about their brand, and the system helps create comprehensive brand guides with colors, logos, and mood boards.

1. User Roles

Role	Login URL	Authentication System	Responsibilities
Regular User	/auth/login	Supabase Auth	Create brand guides and upload assets
Account Admin	/auth/login	Supabase Auth	Manage team members within their account
Super Admin	/super-admin/login	Custom (localStorage)	Platform-wide control and designer assignment
Designer / Lead Designer	/designer/login	Custom (bcrypt)	Work on assigned brand guides

2. Core User Flows

1. Brand Guide Creation Flow (Regular Users)

1. The user signs up or logs in to the platform.

2. The user starts creating a new **Brand Guide**.

3. A guided **16-step wizard** helps the user define brand identity (vision, tone, colors, typography, etc.).

4. The user uploads logos, references, and inspiration assets.

5. Once completed, the brand guide is **saved and submitted for design work**.

6. The **Super Admin reviews the submission**.

7. The Super Admin assigns the brand guide to a **Lead Designer**.

8. Designers begin working on the brand guide.

Outcome:
The user completes the brand input, and the design team takes over execution.

2. Designer Assignment & Access Control Flow

1. The Super Admin assigns a Lead Designer to a brand guide.

2. The Lead Designer assigns:

   a. One Primary Designer

   b. One or more Secondary Designers (if needed)

3. Designers receive access only to the brand guides assigned to them.

4. Designers collaborate and work on the assigned brand guide.

5. No designer can view or access unassigned brand guides.

Outcome:
Clear ownership, structured delegation, and strict access control for designers.

3. Tech Stack

Layer / Purpose	Technology Used	Description / Usage
Frontend Framework	Next.js 14 (App Router)	Core application framework using App Router architecture
Database	Supabase (PostgreSQL)	Primary relational database for application data
Authentication	Supabase Auth + Custom Auth Systems	User authentication for standard and privileged roles
UI Components	Radix UI + Tailwind CSS	Accessible UI primitives with utility-first styling
Form Handling	React Hook Form + Zod	Form state management with schema-based validation
File Storage	Vercel Blob	Secure storage for brand assets and uploads
Email Services	Resend	Transactional and system email delivery
Data Visualization	Recharts	Charts and visual analytics for dashboards