

Elevate Design Studio

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Overview

Elevate Design Studio is a modern web application built with cutting-edge technologies. This project is developed using Lovable, a platform for rapid application development with built-in AI capabilities.

Repository: <https://github.com/johnwesly08/elevate-design-studio>

Technology Stack

This project leverages a modern and robust technology stack:

Core Technologies

- **Vite** - Next-generation frontend tooling for blazing fast development
- **TypeScript** - Type-safe JavaScript for better code quality and developer experience
- **React** - Modern UI library for building component-based interfaces

UI & Styling

- **shadcn-ui** - High-quality, accessible component library
- **Tailwind CSS** - Utility-first CSS framework for rapid UI development

Backend & Database

- **Supabase** - Open-source Firebase alternative for backend services
 - Authentication
 - Database (PostgreSQL)
 - Real-time subscriptions
 - Storage

Build & Development Tools

- **Bun** - Fast all-in-one JavaScript runtime and toolkit
- **ESLint** - Code linting and quality enforcement
- **PostCSS** - CSS transformation and processing
- **Vitest** - Fast unit testing framework

Project Structure

```
elevate-design-studio/
├── public/           # Static assets
├── src/              # Source code
│   ├── components/  # React components
│   ├── pages/       # Page components
│   ├── hooks/       # Custom React hooks
│   ├── lib/         # Utility functions and helpers
│   ├── types/       # TypeScript type definitions
│   └── styles/      # Global styles
├── supabase/        # Supabase configuration and migrations
├── .env             # Environment variables
├── components.json  # shadcn-ui configuration
├── package.json     # Project dependencies
├── tailwind.config.ts # Tailwind CSS configuration
├── tsconfig.json    # TypeScript configuration
└── vite.config.ts   # Vite configuration
```

Getting Started

Prerequisites

Ensure you have the following installed on your system:

- **Node.js** (recommended: use nvm)
- **npm** (comes with Node.js)

Installation

1. Clone the repository

```
bash  
  
git clone https://github.com/johnwesly08/elevate-design-studio.git
```

2. Navigate to the project directory

```
bash  
  
cd elevate-design-studio
```

3. Install dependencies

```
bash  
  
npm install
```

4. Set up environment variables

Create a `.env` file in the root directory and add your Supabase credentials:

```
env  
  
VITE_SUPABASE_URL=your_supabase_url  
VITE_SUPABASE_ANON_KEY=your_supabase_anon_key
```

5. Start the development server

```
bash  
  
npm run dev
```

The application will be available at `http://localhost:5173` (or the port shown in your terminal).

Available Scripts

- `npm run dev` - Start the development server with hot-reload
- `npm run build` - Build the project for production
- `npm run preview` - Preview the production build locally
- `npm run lint` - Run ESLint to check code quality
- `npm run test` - Run tests with Vitest

Development Workflow

Using Lovable Platform

1. Visit your [Lovable Project](#)
2. Use the AI-powered prompting interface to make changes
3. Changes are automatically committed to the repository

Using Local IDE

1. Make changes in your preferred IDE
2. Test changes locally with `npm run dev`
3. Commit and push changes to the repository
4. Changes will sync with Lovable automatically

Using GitHub

- **Direct File Edit:** Click the edit button (pencil icon) on any file
- **GitHub Codespaces:** Launch a cloud-based development environment

Code Style and Quality

The project uses:

- **TypeScript** for type safety
- **ESLint** for code linting
- **Prettier** (recommended) for code formatting

Ensure your code passes linting before committing:

```
bash
```

Deployment

Deploy with Lovable

The easiest way to deploy your project:

1. Open your [Lovable Project](#)
2. Click **Share** → **Publish**
3. Your application will be deployed and accessible via a public URL

Custom Domain

To connect a custom domain:

1. Navigate to **Project** → **Settings** → **Domains**
2. Click **Connect Domain**
3. Follow the instructions to configure DNS settings

For detailed instructions, refer to the [Lovable Custom Domain Documentation](#).

Manual Deployment

You can also deploy to other platforms:

Vercel

```
bash
npm install -g vercel
vercel
```

Netlify

```
bash
npm install -g netlify-cli
netlify deploy
```

Configuration

Environment Variables

Required environment variables for the project:

```
env

# Supabase Configuration
VITE_SUPABASE_URL=https://your-project.supabase.co
VITE_SUPABASE_ANON_KEY=your-anon-key

# Optional: Analytics, etc.
# VITE_ANALYTICS_ID=your-analytics-id
```

Tailwind Configuration

Customize the design system in `tailwind.config.ts`:

- Colors
- Typography
- Spacing
- Breakpoints
- Custom utilities

Component Configuration

shadcn-ui components can be customized in `components.json`:

- Component styles
- Theming
- Path aliases

Features

Based on the project structure, this application includes:

- **Modern React Architecture** - Component-based UI with TypeScript
- **Responsive Design** - Mobile-first approach with Tailwind CSS
- **Database Integration** - Supabase for backend services
- **Authentication** - User authentication and authorization

- **Real-time Updates** - Live data synchronization
- **Type Safety** - Full TypeScript support
- **Testing** - Unit and integration testing setup
- **Fast Development** - Hot module replacement and instant feedback

Contributing

Contributions are welcome! To contribute:

1. Fork the repository
2. Create a feature branch (`git checkout -b feature/AmazingFeature`)
3. Commit your changes (`git commit -m 'Add some AmazingFeature'`)
4. Push to the branch (`git push origin feature/AmazingFeature`)
5. Open a Pull Request

Contribution Guidelines

- Follow the existing code style
- Write meaningful commit messages
- Add tests for new features
- Update documentation as needed
- Ensure all tests pass before submitting

Support

Getting Help

- **Documentation:** Check this README and inline code comments
- **Issues:** Report bugs or request features via [GitHub Issues](#)
- **Lovable Docs:** <https://docs.lovable.dev>

Troubleshooting

Build Errors

- Clear node_modules and reinstall: `rm -rf node_modules && npm install`
- Check Node.js version compatibility
- Verify environment variables are set correctly

Supabase Connection Issues

- Verify your Supabase URL and keys in `.env`
- Check Supabase project status
- Ensure database migrations are up to date

Development Server Issues

- Try a different port: `npm run dev -- --port 3000`
- Clear Vite cache: `rm -rf node_modules/.vite`

License

This project's license information is not specified. Please check with the repository owner for licensing details.

Built with  using Lovable

Last Updated: January 2026