Local Development Setup Guide

Follow these steps to run the Challenger Hiking Group Dashboard directly on your computer using Node.js.

1. Prerequisites

Ensure you have **Node.js** installed (version 18 or higher is recommended).

- Check by running `node -v` in your terminal.

- If not installed, download it from nodejs.org.

2. Create the Project

We will use **Vite** to create a modern React environment. Open your terminal and run:

```
# Create a new Vite project
npm create vite@latest hiking-dashboard -- --template react

# Move into the project folder
cd hiking-dashboard

# Install the base dependencies
npm install
```

3. Install Dashboard Dependencies

The dashboard relies on specific libraries for icons, charts, and authentication. Run this command in your project folder:

```
npm install lucide-react recharts firebase
```

4. Add the Code

1. Open the project folder in your code editor (e.g., VS Code).

2. Locate `src/App.jsx` .

3. Delete everything inside `App.jsx` and paste the entire code from the **hiking_dashboard.jsx** file in the Canvas.

4. **Important:** Inside the code, locate the `firebaseConfig` object and fill in your actual keys from the [Firebase Console](#).

5. Configure Tailwind CSS (Optional but Recommended)

The dashboard uses Tailwind classes for styling. To make them work:

1. Install Tailwind: `npm install -D tailwindcss postcss autoprefixer && npx tailwindcss init -p`

2. Update `tailwind.config.js` with the configuration provided in the Canvas.

3. Add the following to the top of your `src/index.css` :

```
@tailwind base;
@tailwind components;
@tailwind utilities;
```

6. Launch the Dashboard

Run the development server:

```
npm run dev
```

Your terminal will provide a local URL (usually `http://localhost:5173`). Open that in your browser to see your dashboard!

Pro-Tip: Google Authentication

For the "Sign in with Google" button to work locally:

1. Go to the **Firebase Console > Authentication > Settings.**