**📘 Campus Club Finder – Documentation**

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**Link:** <https://github.com/ntsunib28/club-finder>

A simple single-page web application built with **Vite**, **React**, **React Router**, and **Tailwind CSS** to help university students discover and join student clubs.

**📦 How to Run the Project**

**✅ Prerequisites**

* Node.js (v16 or higher recommended)
* npm

**▶️ Steps to Run**

1. Clone the repository:

* git clone <https://github.com/ntsunib28/club-finder.git>
* cd club-finder

1. Install dependencies: npm install
2. Start the development server: npm run dev

**🚀 Features & Pages**

**🏠 Home Page**

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**Description:**

* This is the landing page with a welcome message and an introduction to the Campus Club Finder app.
* Includes a **hero section** with a visual banner and a **Call to Action (CTA)** button that links to the club listing page.

**🧑‍🤝‍🧑 Clubs Page**

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**Description:**

* Lists all 5 student clubs using **card components**.
* Users can toggle between **Grid View** and **List View** for different layout preferences.
* Includes a **sorting dropdown** to sort clubs by name (A-Z or Z-A).

**📄 Club Detail Page**

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**Description:**

* Shows detailed information about the selected club.
* Displays the club’s full description, upcoming events, and a large image.
* Includes a **"Join Club"** button:
  + If not yet joined → lets the user join and stores it in localStorage.
  + If already joined → displays a message and disables the button.

**📝 About Page**

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**Description:**

* Describes what the Campus Club Finder app does.
* Lists the **tech stack** used: Vite, React, React Router, Tailwind CSS, and localStorage.

**🚫 404 Not Found Page**

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**Description:**

* Friendly message when navigating to a non-existent route.
* Includes a button to go back to the homepage.

**🧪 Data Persistence**

* Joined club data is stored in localStorage.
* Refreshing the page keeps the club join status.

**🛠 Tech Stack**

* **Vite** – Project scaffolding and dev server
* **React** – UI and component logic
* **React Router DOM v7+** – Client-side routing
* **Tailwind CSS** – Styling and responsive layout
* **localStorage** – Simple persistence without backend

**📁 Folder Structure (Simplified)**

bash

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src/

├── components/ # Reusable UI components

├── data/ # Static club data

├── pages/ # Route-based pages

├── App.jsx # App routes and layout

├── main.jsx # Entry point