Investment Portfolio Dashboard – Documentation

🔨 Project Overview

The **Investment Portfolio Dashboard** is a portfolio management system built using **Vue 3, Vuex, Vue Router, TailwindCSS, and Vitest**.

 The goal of the project is to provide a user-friendly interface where users can view investment portfolios, track metrics like current value, returns, and last updated time, and edit portfolio data dynamically.

The system integrates **state management (Vuex)** for centralized data handling, **Vue Router** for navigation, **TailwindCSS** for responsive styling, and **Vitest** for unit testing.

🎯 Features

- **Portfolio Listing**
  - View all available portfolios in a structured list.
- **Portfolio Details**
  - Show portfolio metrics:
    - Current Value
    - Initial Investment
    - Total Return
    - Last Updated
- **Dynamic Holdings Table**
  - Includes stock/asset details such as quantity, price, value, allocation, and day change.
- **Navigation**
  - Back button to return to the portfolio list.
  - Edit button to update a portfolio, integrated with Vuex.
- **Vuex Integration**
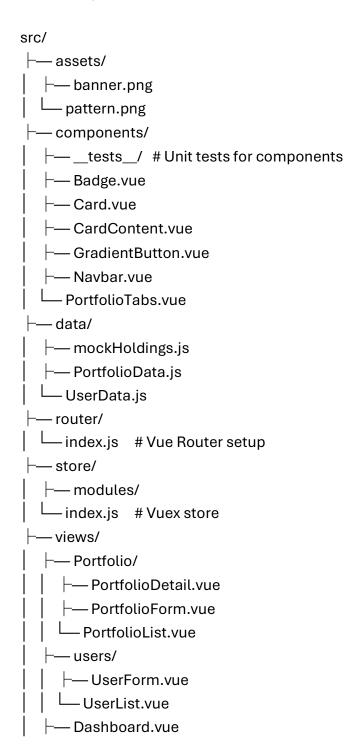 - Manage state across multiple components (adding/editing portfolio data).
- **Responsive UI**

o   Built with TailwindCSS to adapt across devices.
- **Testing**
    o   Fully tested using Vitest for component rendering, navigation, Vuex
        mutations, and UI states.

🏗️ Project Structure

```
src/
├── assets/
│   ├── banner.png
│   └── pattern.png
├── components/
│   ├── __tests__/  # Unit tests for components
│   ├── Badge.vue
│   ├── Card.vue
│   ├── CardContent.vue
│   ├── GradientButton.vue
│   ├── Navbar.vue
│   └── PortfolioTabs.vue
├── data/
│   ├── mockHoldings.js
│   ├── PortfolioData.js
│   └── UserData.js
├── router/
│   └── index.js    # Vue Router setup
├── store/
│   ├── modules/
│   └── index.js    # Vuex store
├── views/
│   ├── Portfolio/
│   │   ├── PortfolioDetail.vue
│   │   ├── PortfolioForm.vue
│   │   └── PortfolioList.vue
│   ├── users/
│   │   ├── UserForm.vue
│   │   └── UserList.vue
│   ├── Dashboard.vue
```

```
|  └── App.vue
```

⚙️ Getting Started

1. Clone the Repository

git clone https://github.com/sarthakkurothe/mini_project_vue.js.git
cd mini_project_vue.js-main

2. Install Dependencies

npm install

3. Run the Project Locally

npm run dev

Open your browser at:

👉 http://localhost:5173/

🧪 Testing

Run all tests:

npm run test

Watch mode for continuous testing:

npm run test:watch

UI mode for visualization:

npm run test:ui

☑ Test Coverage Includes:

- Rendering "Portfolio Not Found" page
- Displaying portfolio details and holdings
- Navigation with Back button
- Vuex store commit and navigation on Edit button click

🚀 Usage

1. Navigate to /portfolios → view list of portfolios.
2. Click a portfolio → view details with metrics & holdings.
3. Use the **Back** button → return to portfolio list.
4. Use the **Edit Portfolio** button → commit data to Vuex and open edit page.

📊 Key Features in Action

- **Portfolio overview and metrics tracking**
- **Holdings management with dynamic calculations**
- **State management with Vuex for edit/update flow**
- **Lucide Icons + TailwindCSS for a modern UI**
- **Comprehensive Vitest test suite ensuring reliability**

🐙 GitHub Repository

🔗 [mini_project_vue.js – GitHub](#)