Counter App

A simple counter application built with **React + Vite** and styled using **Material UI**. The app demonstrates basic React state management with an intuitive and modern UI design.

Features

- Increment & Decrement: Increase or decrease the counter value with buttons.
- Reset Functionality: Reset the counter to its initial value.
- Modern Design: Styled using Material UI with a professional and accessible color scheme.
- Responsive Layout: Fully responsive design for mobile and desktop devices.

Color Scheme

Primary Colors

- Dark Gray / Charcoal (#2C2C2C): Used as the app background for reduced eye strain.
- White (#FFFFF): Used for text and whitespace to create a clean, minimalist look.

Accent Colors

- Deep Blue (#0A74DA): Buttons for primary actions like increment and decrement.
- **Emerald Green (#3C8D40)**: Used sparingly to indicate success, such as the reset button.

Secondary Accent Colors

- Soft Orange (#FF9F00): Used for hover states to highlight interactivity.
- Light Gray (#F4F4F4): Background for the counter display and card components.

Typography

• **Headings**: Serif font (e.g., Georgia, Times New Roman) to convey professionalism.

• Body Text: Sans-serif font (e.g., Roboto, Arial) for readability.

Installation and Setup

Follow these steps to run the Counter App on your local machine:

Prerequisites

- Node.js (v14 or higher)
- npm or yarn

Steps

Clone the repository: git clone https://github.com/your-username/counter-app.git cd counter-app

1.

Install dependencies: npm install

2.

Start the development server: npm run dev

3.

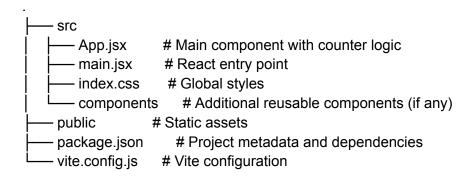
Open the app in your browser: http://localhost:5173

4.

Usage

- 1. **Increment the Counter**: Click the + button to increase the counter value.
- 2. **Decrement the Counter**: Click the button to decrease the counter value.
- 3. **Reset the Counter**: Click the Reset button to reset the counter to zero.

File Structure



Technologies Used

- **React**: Front-end library for building user interfaces.
- Vite: Build tool for fast development and bundling.
- Material UI: Component library for responsive and accessible UI design.

Future Improvements

- Add animations for button interactions.
- Persist the counter value using local storage.
- Add keyboard shortcuts for increment, decrement, and reset actions.

Acknowledgments

- React Documentation
- Material UI Documentation
- Vite Documentation

Contact

For any questions or feedback, feel free to reach out:

Name: Vatsal Devre

• **Email**: vdevre@outlook.com

• **GitHub**: https://github.com/VDevre18