1. Abstract

This is Counter app project in this project we can increment and decrement our count and we can reset our count.

2. Project Overview

The Counter App is a simple application designed to increment and decrement a numeric value. It demonstrates basic state management in React, styling with Tailwind CSS, and the build capabilities of Vite.

3. Technology Stack

Frontend Framework : React.js

Build Tool: Vite

CSS Framework: Tailwind CSS

4. Architecture

SinglePage Application (SPA): The app is a SPA built using React, where components are rendered on the client side.

ComponentBased Structure: The app will consist of reusable React components.

5. Components

a. Counter Component:

State Management: Utilizes React's `useState` hook to manage the counter's state.

Increment/Decrement Logic: Functions to handle the increment and decrement of the counter.

UI Elements: Buttons for incrementing and decrementing the counter, and a display to show the current count.

6. User Interface (UI)

Styling: Tailwind CSS will be used for quick and responsive styling.

Layout: A simple and intuitive layout with buttons and a display area.

7. Routing

Since it's a simple counter app, there's no need for routing.

8. Build and Deployment

Development Server: Vite's dev server for hot module replacement and fast refresh during development.

Production Build: Vite will be used to bundle the application for production, optimizing the app for deployment.