

React State and Props Assignment

Build a Simple Counter App

- Build a basic Counter application using React and TypeScript. This assignment will help you practice using state and props in React.

- Requirements:

Project Setup:

- Create a new React project with TypeScript and name it CounterApp.

Component Structure:

- Counter Component:
 - Create a component that displays the current counter value and has two buttons for incrementing and decrementing the value.
 - The component should receive count, onIncrement, and onDecrement as props.
- App Component:
 - Create a component that initializes the counter value in its state.
 - Implement functions to handle incrementing and decrementing the counter value.
 - Pass these functions and the counter value as props to the Counter component.

Integration:

- Ensure the App component renders the Counter component and manages the state.
- Verify that clicking the buttons in the Counter component updates the counter value accordingly.
- Deliverables:
A working React application where users can:
 - See the current counter value.
 - Click buttons to increment & decrement the counter value.