

Assignment: Exploring State and Props with a Counter App

Objective: This assignment is designed to introduce you to React's **state** and **props** in a simple way. You'll build a small counter application to learn how to manage state and pass data between components using props.

Instructions

Set Up the App:

- 1- Create a React app using create-react-app or a similar setup.
- 2- Create the following components:
 - App: The main parent component.
 - Counter: A child component that displays and controls the counter.

Features to Implement:

- 1- State Management:** Use the useState hook in the App component to manage the counter value.
- 2- Display the Counter Value:** Pass the counter value from App to the Counter component using props.
- 3- Increment and Decrement:**
 - Add two buttons in the Counter component: "Increment" and "Decrement."
 - When these buttons are clicked, call functions passed as props from the App component to update the counter value.
- 4- Reset the Counter (Optional):** Add a "Reset" button in the Counter component to reset the counter to 0.

Styling (Optional)

Add basic styles to make the counter app visually appealing.