# **Context-useReducer Exercises**

# **Basic Counter with useReducer** Implement a reducer function that handles the following actions: INCREMENT, DECREMENT, and RESET. Use the useReducer hook to manage the state of the counter. Add buttons for incrementing, decrementing, and resetting the counter.

# **Managing a Todo List with useReducer** Implement a reducer function that handles the following actions: ADD\_TODO, TOGGLE\_TODO, and DELETE\_TODO. Use the useReducer hook to manage the state of the todo list. Create components for adding a new todo item, displaying the list, and managing the individual todo items (including toggling and deleting them)

# **Sharing state between components with useContext** Implement a simple theme context that allows for switching between a light and dark theme. Create a context provider component that wraps the entire application. Use the useContext hook in the necessary components to access the theme state and update it.