

```
import React, { useState } from 'react';
```

```
function TodoApp() {  
  // State to store the list of todos  
  const [todos, setTodos] = useState([]);  
  // State to store the current input value  
  const [task, setTask] = useState("");  
  
  // Function to add a new todo  
  const addTodo = () => {  
    if (task !== "") {  
      const newTodos = [...todos, { id: Date.now(), text: task, completed: false }];  
      setTodos(newTodos);  
      setTask("");  
    }  
  };  
  
  // Function to toggle the completed status of a todo  
  const toggleComplete = id => {  
    const newTodos = todos.map(todo => {  
      if (todo.id === id) {  
        return { ...todo, completed: !todo.completed };  
      }  
      return todo;  
    });  
    setTodos(newTodos);  
  };  
  
  // Function to remove a todo  
  const removeTodo = id => {  
    const newTodos = todos.filter(todo => todo.id !== id);  
    setTodos(newTodos);  
  };  
  
  return (  
    <div>  
      <input  
        type="text"
```

```

    value={task}
    onChange={e => setTask(e.target.value)}
    placeholder="Add a new task"
  />
  <button onClick={addTodo}>Add</button>
  <ul>
    {todos.map(todo => (
      <li key={todo.id} style={{ textDecoration: todo.completed ? 'line-through' : 'none'
    }}>
      {todo.text}
      <button onClick={() => toggleComplete(todo.id)}>
        {todo.completed ? 'Mark as Incomplete' : 'Mark as Complete'}
      </button>
      <button onClick={() => removeTodo(todo.id)}>Remove</button>
    </li>
    )))}
  </ul>
</div>
);
}

```

```

export default TodoApp;

```