### **To-Do List App**

* Hooks Used: useState, useEffect
* Key Features:
  + Use useState to manage the task list and form inputs.
  + Save tasks to local storage or fetch existing tasks on load using useEffect.

### **Movie Recommendation App**

* Hooks Used: useState, useEffect
* Key Features:
  + Use useState to manage search input and movie data.
  + Fetch movie recommendations from an API using useEffect.

### **Notes Application**

* Hooks Used: useReducer
* Description: A note-taking app with add and delete functionality.
* Key Features:
  + Use useReducer to manage actions like adding or deleting notes.

### **Weather App**

* Description: A weather dashboard that fetches and displays weather data for a selected location.
* Key Features:
  + Pass location data as props to child components for display.
  + Use useState to manage user input for location.
  + Fetch weather data from an API using useEffect.
  + Implement a theme toggle or settings panel using useContext.
  + Use useMemo to format weather data (e.g., convert temperatures) for rendering.

### **Expense Tracker**

* Description: An app to track income and expenses, displaying insights through charts and summaries.
* Key Features:
  + Use props to pass transaction details to reusable components (e.g., list items).
  + Manage input fields and form submissions with useState.
  + Fetch or save transactions to a backend or local storage with useEffect.
  + Handle budgeting logic (e.g., adding/subtracting) using useReducer.
  + Store theme or currency settings globally with useContext.
  + Optimize calculations (e.g., total income/expenses) using useMemo.

### **E-commerce Product List**

* Description: A basic product catalog with filters, a shopping cart, and wishlist functionality.
* Key Features:
  + Pass product data as props to display product cards.
  + Use useState for managing cart and wishlist items.
  + Fetch product data from an API or JSON file using useEffect.
  + Implement cart state management (add/remove items) using useReducer.
  + Share cart data across components with useContext.
  + Use useMemo to optimize search and filter operations on large product lists.

### **Social Media Feed**

* Description: A mini social media feed showing posts, likes, and comments.
* Key Features:
  + Pass post details and user data as props.
  + Use useState for toggling like status or handling comment inputs.
  + Fetch posts and comments from an API using useEffect.
  + Manage state transitions (e.g., like/unlike, load more) using useReducer.
  + Use useContext for global user data (e.g., current logged-in user).
  + Use useMemo to optimize rendering of posts with heavy media.

### **Portfolio Website**

* Description: A personal portfolio showcasing projects, skills, and contact information.
* Key Features:
  + Use props to pass project data to a reusable project card component.
  + Use useState to handle a contact form.
  + Use useEffect to fetch project details or testimonials from an API.
  + Handle a theme toggle using useReducer.
  + Manage site-wide data (e.g., themes, language) using useContext.
  + Optimize rendering of sorted/filtered projects with useMemo.