

React Task: Mini Event Management Dashboard

Objective

Build a mini event management dashboard where users can browse events, see details, filter/search dynamically, and optionally RSVP/book events.

This task covers:

- Component integration
 - State management
 - Dynamic rendering
 - API handling
 - Basic styling
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Requirements

1. Data Handling

- Use a mock API (`https://jsonplaceholder.typicode.com/posts` for sample data) or a local JSON file.
- Each event should have:
 - Title
 - Description
 - Event type (e.g., Workshop, Seminar, Webinar)
 - Location (city, state, country)
 - Date and time
 - Organizer
 - Event image

2. Components

EventCard

- Displays event info: image, title, description, type, location, date/time, organizer.

FilterBar

- Search by event title
- Filter by event type
- Filter by location (country/state/city)
- Filter by date range

Dashboard

- Displays a list of filtered `EventCard`s

3. Functionality

- Fetch the event list from JSON/mock API.
- Dynamically render `EventCard` s based on fetched data.
- Filters in `FilterBar` should update the dashboard in real-time.
- Highlight/filter cards based on selected criteria:
 - Search → matches title
 - Location → highlight matching city/state/country
 - Date → show events within selected date range
 - Event type → filter by type
- Optional: Add an “RSVP” or “Book Now” button in each card (alert on click is fine)

4. Styling

- Use Tailwind CSS or Material UI
- Layout:
 - FilterBar at the top
 - Cards displayed in a responsive grid (3 per row on desktop, 1 per row on mobile)
 - Cards should have hover effects (shadow, scale, or border highlight)

5. Optional Enhancements

- Pagination for large lists
- Loading skeleton while fetching data
- Notification on RSVP (`react-toastify`)
- Save filter state in `localStorage` to persist on refresh

Deliverable: A working React mini event dashboard where users can:

- View events
- Apply multiple filters
- Optionally RSVP/book an event
- Experience responsive, styled UI