React Developer Technical Task

Create a small library of three reusable components and showcase them in a demo app.

The purpose of this task is to get to know your **code style**, so it is **not necessary to write unit tests or long documentation**.

You can make use of **open source and free UI components** as you see fit.

APPLICATION FEATURES

The application should include the following **three reusable components**:

1. DataGrid

- Client-side pagination, sorting, and column filtering
- Loading, empty, and error states
- Configurable columns:
  - Hide / show
  - Label
  - Accessor

2. Timeline

- Renders events grouped by day
  (or a grouping you choose — justify it)
- Keyboard navigable:
  - Left / Right
  - Up / Down
- Screen-reader friendly announcements when focus moves between groups / items

3. Form: Add / Edit Event

- Controlled inputs with validation:
  - Required title
  - Valid date
- Shows validation messages
- Focuses first invalid field on submit
- Cancel / save flow
- Success message region

App:

Create a small app (single page or two routes) that showcases the components in realistic scenarios:

- A **DataGrid** driven by a mock dataset:
  - 100–500 rows
- A **Timeline** rendering:
  - 30–100 events
  - Grouped
- A **"New Event"** button:
  - Opens the Form (modal or inline)
  - Adds events to both the grid and the timeline

DATA & STATE

- Mock data only
- Use any state / data approach you prefer
- Explain your choices in comments or a small README

FINAL DELIVERABLES

You may:

- Host the project in any **public Git repository**, **or**
- Send the code in another way you prefer

The submission **must include commits**.

LAST THOUGHTS

This task is designed to showcase your technical abilities, creativity, and problem-solving skills — but most importantly, it's an opportunity to have fun building something! Feel free to take the app in any direction you like, experiment with ideas, and make it your own.

We look forward to seeing your approach! 🥳