Task : ReactJS 24-Hour Interactive Timeline Component

Create a ReactJS project to develop a 24-hour interactive timeline component with the following features:

- **Time Markers**: Display time markers for each hour from 0:00 to 23:00.
- **Interactive Events**: Allow users to add, move, and delete events on the timeline.
- **Event Display**: Each event should display a label on mouse hover with the event name and the start and end times.
- **Responsive Design**: Ensure the timeline is responsive and adjusts to different screen sizes.
- **Zoom Functionality**: Implement zoom functionality to allow users to place events at exact times as needed.

Requirements:

- State Management: Use React state and context API for managing the state of the timeline and events.
- Event Handling: Implement event handling for adding, moving, and deleting events.

Steps:

Project Setup:

- Initialize a new ReactJS project using Create React App.
- Install necessary dependencies.

Component Structure:

- Create a Timeline component to display the 24-hour timeline with time markers.
- Create an Event component to display individual events on the timeline.
- Create a ZoomControl component to handle zoom functionality.

State Management:

- Use React's useState and useContext for state management.
- Create a context for managing the list of events and the current zoom level.

Time Markers:

- Display time markers for each hour from 0:00 to 23:00 within the Timeline component.

Event Handling:

- Implement functions to add, move, and delete events.
- Use mouse events to allow users to drag and drop events to different time slots.

Event Display:

- Show event labels on mouse hover with the event name, start time, and end time.

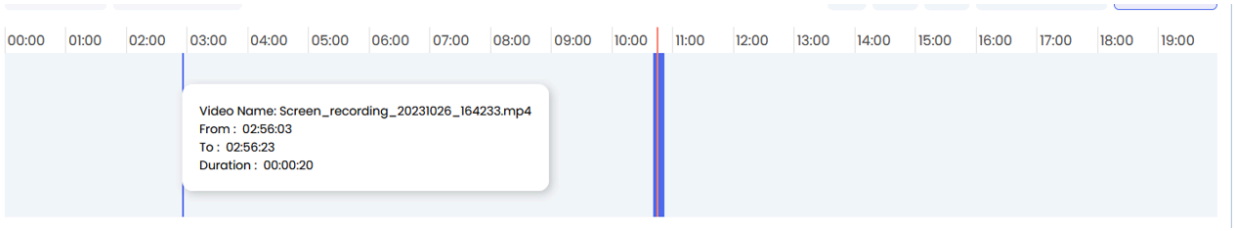
Responsive Design:

- Use CSS and media queries to ensure the timeline is responsive and adjusts to different screen sizes.

Zoom Functionality:

- Implement zoom controls to allow users to zoom in and out of the timeline for more precise event placement.

Here is example of task :



Important Note while submitting task:

- Record a full Video output for given task
- Submit which technology is used and which IDE is used in the Readme
- File.
- Submit a Video file,Task source code in zip file and share to google
- drive only (Do not share on github or any public file sharing)
- Name a Zip file like this
- YOUR_POSITION_YOURNAME_DATE_.ZIP
- Eg: ReactJS_Developer_Rahul_11-11-2023.zip