

# **Documentation**

## **Overview**

This project is a ReactJS application built with ViteJS to create a monthly calendar timeline similar to the Mobiscroll monthly calendar timeline. The application allows users to view, add, update, and delete events, as well as manage resources.

## **Features**

- Monthly calendar view with resources listed on the Y-axis and dates on the X-axis.
- Drag functionality to move events between dates and resources.
- Add new events by clicking on the calendar.
- Delete events with a confirmation popup.
- Navigation buttons to move to the previous or next month.
- Highlight today's date.
- Add and delete resources dynamically.
- Display event details on hover.

## **Components**

### **App.jsx**

The main component of the application, which includes the FullCalendar setup, event handling, and resource management, Component to add or delete resources.

## **State Management**

- useState and useRef hooks are used to manage events and resources.

- useEffect is used to initialize the calendar reference.

### **Styling**

- Tailwind CSS is used for styling the components.
- Custom CSS is added for specific UI enhancements.

### **Dependencies**

- react
- react-dom
- fullcalendar/react
- fullcalendar/resource-timeline
- fullcalendar/interaction
- react-modal

### Short Answer

#### 1. Three things learned:

- Implementing Event drag and Resize functionality in FullCalendar.
- Handling modal state errors in React.
- Styling calendar dates dynamically.

#### 2. Most difficult part:

- Debugging the setModallsOpen is not defined error.

#### 3. What I'd do differently with more time:

- Improve event management by adding better UI feedback and animations