Calendar

Tasks

1. Complete the assignment
2. Push the code to Repo
3. Use Github pages or other services to make the page live.
4. Share the Code and Live demo with the team.

Timeline

Please submit the assignment 2 days from the shared time.

Problem

We are developing a web application that requires a user-friendly calendar interface similar to Google Calendar.

- The calendar should display the current month and year by default, with a grid layout showing all the dates.
- Users need the ability to navigate to previous and next months using designated buttons.
- For better user experience, the current date should be visually highlighted within the calendar grid.
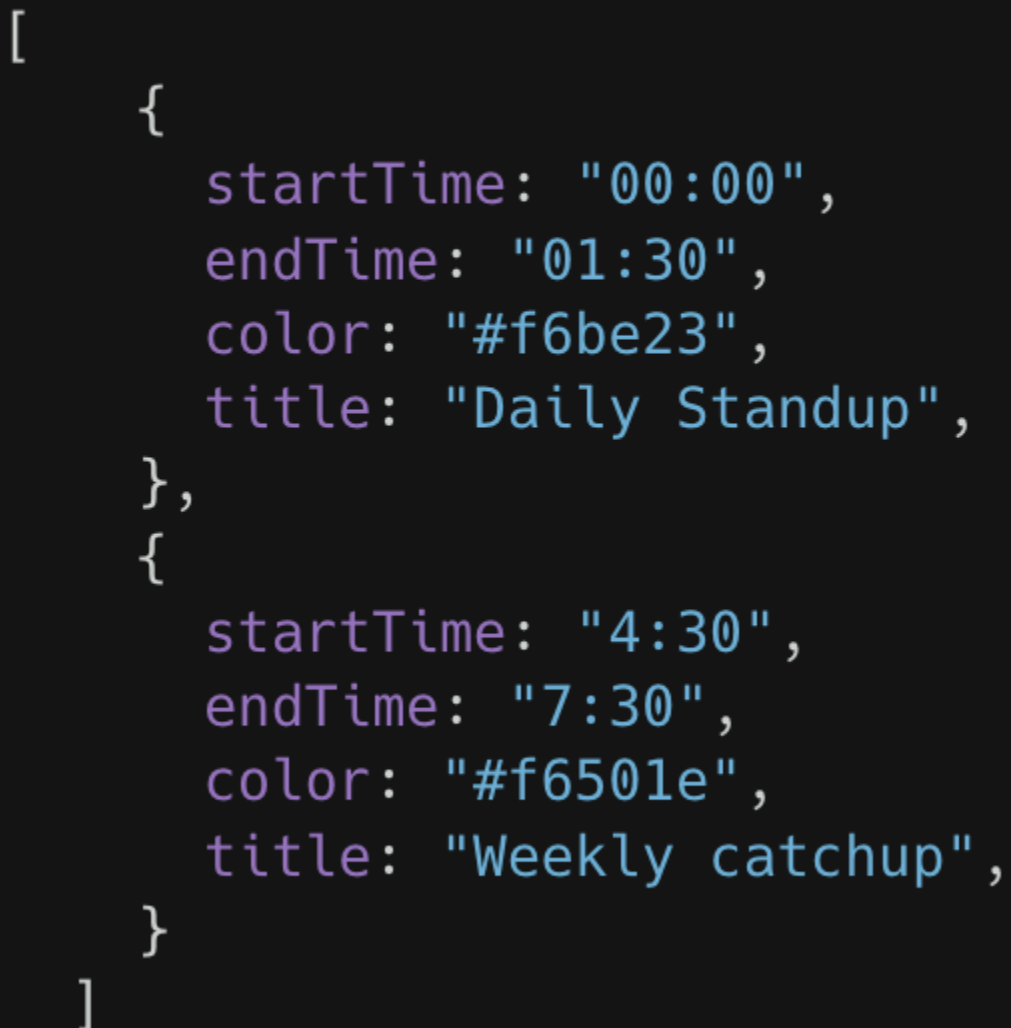
Events

In the calendar, we can pass a static list of events, which should be displayed in the Calendar.

- The calendar should display events loaded from a provided static JSON file. Each event should include details like title, date, time, and duration.

- Events should be visually represented on the corresponding dates within the calendar grid.
- The calendar interface needs to handle potential conflicts when multiple events are scheduled on the same date and time. This could involve color-coding overlapping events or displaying a notification.

Example Events data

```
[
    {
        startTime: "00:00",
        endTime: "01:30",
        color: "#f6be23",
        title: "Daily Standup",
    },
    {
        startTime: "4:30",
        endTime: "7:30",
        color: "#f6501e",
        title: "Weekly catchup",
    }
]
```

Design

You have the freedom to design the calendar however you find the best. Below are some design inspirations

1. https://cdn.dribbble.com/userupload/2801259/file/original-029805f11222bfda984d647575e5016d.png?resize=2400×1800
2. https://cdn.dribbble.com/users/1192372/screenshots/15755836/media/95af0b125e2e8e026a8b41acc7ae289b.png?resize=1600×1200&vertical=center
3. https://cdn.dribbble.com/userupload/13990178/file/original-1e5e29af9472610d80d4cff0b51642f0.png?resize=2048×1536

What can you use?

1. React
2. Vanilla CSS / Tailwind CSS
3. Date library such as `dayjs` or `date-fns`

Evaluation Criteria

- How well the UI and UX is structured and thought through is very important.
- We will assess the clarity, structure, and efficiency of your code.
- We will evaluate how effectively you implement the solution.
- During the coding phase, we will observe your problem-solving skills, ability to explain your approach, and adherence to best practices.