Event Planner Take-Home Assignment

Introduction

In this assignment, you will be developing an Event Planner application using a JS SPA Framework using React for the frontend and Python for the backend.

Project Overview

Your task is to create an Event Planner that allows users to manage events with start and end dates. The application should support both a list view and a timeline view of the events. Additionally, there is an optional feature where users can drag and drop events to change their order. Feel free to use any npm/yarn packages or tools that will make development easier.

Requirements

General Features:

- **Event Creation:**
  - Users should be able to create new events with a title, type, start date, and end date.
  - Events can overlap with each other.
- **Event List View:**
  - Display a list of events with key information such as title, start date, and end date, and type.
  - Provide options to edit and delete events.
- **Event Timeline View:**
  - Visualize events on a timeline, representing their start and end dates.
  - Differentiate between events using colors or other visual cues.
- **Data**
  - Title is just a string that cannot be empty
  - An event start and end dates, should be date values
  - The type can be any string and should be a dropdown on the front end. (Example types, “Merger”,”Dividends”,”New Capital”, “Hire”)

Optional Feature:

- **Drag and Drop (Optional):**
  - Allow users to reorder events using drag and drop functionality.
  - Ensure that the new order is persisted on the backend.
- **Filters (Optional):**
  - The ability to filter by tag
  - Search, filter if text characters match the event title.
- **Anything else you would find nice to add**

Technology Stack

- **Frontend:** React.js

- **Backend:** Choose either Python (Django, Flask) or JavaScript (Node.js, Express) for the backend.

Submission Guidelines

- **Version Control:** A github/gitlab url to the source code
- **Short Video:** A video walking us through the webpage and it's features.
- **Deployment (Optional):** If possible, deploy the application to a platform like Heroku or Netlify.

Evaluation Criteria

Your submission will be evaluated based on the following criteria:

- **Functionality:** Does the application meet the specified requirements?
- **Code Quality:** Is the code clean, well-structured, and maintainable?
- **User Experience:** Is the application easy to use, with a clear and intuitive interface?
- **Dependencies:** Are the chosen npm packages popular, well-maintained, flexible, lightweight, and appropriate for the problem they solve

Deadline

Please email your assignment to dev@henon.io by 12:00am on the 7th day from receiving this email/link.

Timeline View Example