**Description Document**

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The main problem at hand was to create an Event Calendar. The user should be able to add events and see them.

**TOOLS:**

MERN stack has been used. The frontend is done in React JS Library, the backend is done in Node.js (Express Library has been used), the user events are being stored in a database hosted on the MongoDB cloud (ATLAS). For styling, the external Bootstrap library has been used. Dayjs library has been used to create date time objecs (only Date objects in this case).

**DESCRIPTION:**

The calendar has two views from which the user can choose; the Month View and the Week View. To render the two components conditionally, the react state hooks have been used. The Backend has two main endpoints; one is for the creation of events and the other is for fetching the events from the database. The code uses try-catch blocks to handle errors that may occur while accessing the database . The user clicks on the date they want to add an event to or view the events of. Upon clicking a modal opens placing certain options in front of the user. The user creates an event and adds it in another modal while events are listed in another modal.

Working with the dayjs library was much easier as compared to the native js date time classes and objects.