

Supplyhouse IT – FE Assessment

Instructions

- Please complete the assigned problem and, if desired, the bonus question, and return the answers to us within 72 hours of the receipt of these questions.
- All code must be your own work.
- If you have any questions or need clarification on the problems, you may email devinterview@supplyhouse.com.
- Please do not post the questions or answers on the web or distribute them in any form.

Problem Statement: Business day datepicker range

Design and implement a datepicker range component in React that restricts users to selecting only business days. The component should include the following features.

- The component should enable users to select a date range, defined by a start date and an end date.
- The selected date range should highlight only business days, and non-business days should not be highlighted.
- The user should be able to change the year displayed in the date picker.
- The user should be able to change the month displayed in the date picker.
- The component should include a value change handler that returns the selected date range and any weekend dates within that range. As an example, if the range selected is December 1st, 2022 to December 15th, 2022, the returned values should be an array containing the date range as the first element (e.g. [2022-12-01, 2022-12-15]) and an array of weekend dates within that range as the second element (e.g. [2022-12-03, 2022-12-04, 2022-12-10, 2022-12-11]).
- The component should include a prop that allows the user to input predefined ranges, such as the last 7 days or last 30 days. These predefined ranges should be displayed below the calendars (Please see the below example).

Please see the example of the datepicker range at <https://rsuitejs.com/components/date-range-picker/#predefined-date-ranges> for reference. The use of any datepicker libraries is strictly prohibited.