

A Report for the Task

Creating Backpack React Web App

With Regards to

Front-end Software Engineering Job Simulation

by Scyscanner

Project Setup

1. **Create a new Backpack application:**
`npx create-react-app@3.4.1 my-app --scripts-version=@skyscanner/backpack-react-scripts --template @skyscanner/backpack --use-npm`
2. **Navigate to the project directory:**
`cd my-app`
3. **Start the development server:**
`npm start`

Open your web browser and navigate to `http://localhost:3000`.

Customization Steps

1. **Update the header text:**
 - In `App.js`, change the header text to "Flight Schedule".
2. **Install the Calendar component:**
`npm install bpk-component-calendar --save-dev`
3. **Add Calendar component to `App.js`:**
 - Import `BpkCalendar` from `bpk-component-calendar`.
 - Add the calendar to the JSX structure, and handle date selection using `useState`.
4. **Update button text:**
 - Change the button text to "Continue".

App.js Explanation

- **Imports:** Import necessary components from Backpack and additional libraries like `date-fns`.
- **State Management:** Use the `useState` hook to manage the selected date.
- **Header:** Display "Flight Schedule" using `BpkText`.
- **Calendar:** Integrate `BpkCalendar` to allow date selection.
- **Button:** Add a "Continue" button which currently shows an alert when clicked.

Styling

- **App.scss:** You can customize the appearance of the calendar and other components by editing `App.scss`.

Testing

- **Run automated tests:**
`npm test`

This runs the default test to ensure the application renders without crashing.

Additional Resources

- **Backpack Documentation:** Refer to the Backpack documentation for detailed usage and customization options:
 - Backpack Calendar Component
 - Running React Tests

Conclusion

This setup provides a basic application with a date picker and a button. You can further enhance the application by adding more features and custom styles as needed. If you have any questions or need further assistance, feel free to ask!