Java/React Technical Test

This technical test will have two components: a backend and a frontend portion. In total, we expect the technical test to take 2 hours. 1 hour for the backend and 1 hour for the frontend. Please carefully read over the sections below to see exactly what we are looking for.

Backend (1 hour - feel free to impress us, this is a backend focused position)
Java (11 or newer)
A single controller that has endpoints for each of the operations in the frontend. The controller should allow for creating and looking up a booking and a block. Bookings can be cancelled and rebooked. Blocks can be created, updated and deleted. Blocks can overlap with each other. Have some logic in place to prevent double (overlapping) bookings. Create as many endpoints as you like.

Frontend (1 hour)
React (ES6 or newer)
A single webpage that allows a user to create a booking. The following operations must be present:
- Create a booking
- Read 1+ bookings
- Update a booking
- Delete a booking

No need to implement any frontend for blocks as part of this exercise.

Database
Please use in-memory volatile DB.

Terminology
A booking is when a guest selects a start and end date and submits a reservation on a property.
A block is when the property owner or manager selects a range of days during which no guest can make a booking (e.g. the owner wants to use the property for themselves, or the property manager needs to schedule the repainting of a few rooms).

Instructions

When you are done, upload your project to Github and email us a link.

Please have this technical test completed in the next week. If you have any questions related to this technical test, let us know.

Thank you for taking the time to complete this test and best of luck!