## Task: Build a Booking App with ReactJS

**Objective:** Create a booking app using ReactJS that interacts with a provided booking API. The API, encapsulated within a JAR file, will be shared in the Teams channel. Your task is to create a user interface with React components, including a navigation bar and components to **list**, **book**, and **cancel bookings**. Additionally, you can access the detailed documentation for the booking API by running the JAR file on your local machine using the command line. Find the documentation at http://localhost:8080/swagger-ui.html.

**Requirements:**

1. **Setup:**

   - Access the booking API's JAR file.

   - Run the JAR file to start the API.

   - Explore API documentation at **http://localhost:8080/swaggerui.html**.

2. **Router Component:**

   - Implement a Router with links to different components.

3. **Booking List Component:**

   - Create a Booking List component.

   - Use the booking API to fetch and display all bookings.

   *Optional Tasks:*

   - *Improve the Booking List with a filter for a customized display.*
   - *Add pagination to the Booking List for easier navigation.*
   - *Showcase the Booking List in a calendar-style layout for a visual touch.*
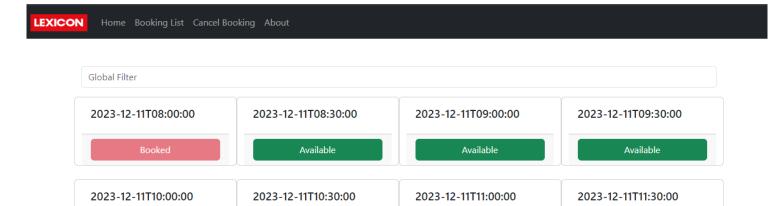
4. **Booking Form Component:**

   - Implement a Booking Form component.

   - Display booking details (ID, date, time).

   - Include a form with an email input.

   - On clicking the "Book" button, call the book API with the entered email.

   - After a successful booking, navigate to the Booking List component.

5. **Cancel Booking Form Component:**

   - Create a Cancel Booking Form component.

   - Include inputs for email and booking ID.

   - Call the cancel booking API with the entered data.

   - Display a proper message to the user based on the cancellation status.
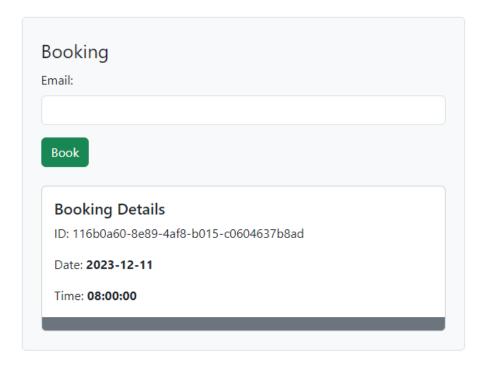
**Components Images:**

LEXICON    Home    Booking List    Cancel Booking    About

Global Filter

| 2023-12-11T08:00:00 | 2023-12-11T08:30:00 | 2023-12-11T09:00:00 | 2023-12-11T09:30:00 |
|---|---|---|---|
| Booked | Available | Available | Available |
| 2023-12-11T10:00:00 | 2023-12-11T10:30:00 | 2023-12-11T11:00:00 | 2023-12-11T11:30:00 |
| Available | Available | Available | Available |
| 2023-12-11T12:00:00 | 2023-12-11T12:30:00 | 2023-12-11T13:00:00 | 2023-12-11T13:30:00 |
| Available | Available | Available | Available |
| 2023-12-11T14:00:00 | 2023-12-11T14:30:00 | 2023-12-11T15:00:00 | 2023-12-11T15:30:00 |
| Available | Available | Available | Available |

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## Booking

Email:

Book

### Booking Details

ID: 116b0a60-8e89-4af8-b015-c0604637b8ad

Date: **2023-12-11**

Time: **08:00:00**

## Cancel Booking

Booking ID:

Email:

**Cancel Booking**